

CC isogene, which may be done by turning off by transforming a targeted
CC organ, tissue or cell population with an expression vector that expresses
CC high levels of untranslatable mRNA for the isogene. Specific therapeutics
CC identified by these methods may be useful for allergic diseases. The
CC present sequence is a probe for human IL4R-alpha
XX
XX
SQ Sequence 15 BP; 5 A; 4 C; 5 G; 1 T; 0 U; 0 Other;

Query Match 13.4%; Score 9.8; DB 1; Length 15;
Best Local Similarity 84.6%; Pred. No. 1.2e+03;
Matches 11; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 900 CCGTCTCATTTC 912
||| ||| ||| ||| |||
Db 15 CCGTCTCATTTC 3

RESULT 1332

ID AAS98327 standard; DNA; 15 BP.

XX AAS98327;

XX 12-MAR-2002 (first entry)

XX Galanin receptor gene GALR1 allele-specific oligonucleotide #39.

XX Galanin receptor; GALR1; human; single nucleotide polymorphism; SNP;
KW drug discovery; haplotyping; infectious diarrhoea;
KW growth hormone deficiency; allele-specific oligonucleotide; ss.

XX Homo sapiens.

XX WO200179237-A2.

XX 25-OCT-2001.

XX 16-APR-2001; 2001WO-05012306.

XX 14-APR-2000; 2000US-0197838P.

XX (GENA-) GENAISSANCE PHARM INC.

XX Bentivegna SC, Chew A, Choi JY, Denton RR, Nandabalan K;

XX WPI; 2002-066341/09.

XX Genotyping human galanin receptor gene of an individual for determining
PT haplotype of an individual, involves determining the identity of
PT nucleotide pair at specific polymorphic sites for two copies of the gene.

XX Claim 16; Page 15; 99pp; English.

XX The invention relates to genotyping human galanin receptor (GALR1) gene
CC of an individual, involving determining for the two copies of the GALR1
CC gene present in the individual, the identity of the nucleotide pair at
CC one or more polymorphic sites. The method is useful for determining
CC whether an individual has a haplotype or haplotype pairs defined in the
CC specification. This is useful for improving the efficacy and reliability
CC of several steps in the discovery and development of drugs for treating
CC diseases associated with GALR1 activity, e.g., infectious diarrhoea and
CC growth hormone deficiency, to validate GALR1 as a candidate agent for
CC treating a specific condition or disease predicted to be associated with
CC GALR1 activity, and in the design of clinical trials of candidate drugs
CC for treating a specific condition or disease predicted to be associated
CC with GALR1 activity. The method is useful to screen for compounds
CC targeting GALR1 to treat a specific conditions or disease associated with
CC GALR1 activity. A GALR1 polynucleotide or variant is useful in studying
CC the expression and function of GALR1, and in expressing GALR1 protein for
CC use in screening for candidate drugs to treat diseases related to GALR1
CC activity. The polynucleotide or variant is useful for studying expression
CC of the GALR1 isogenes in vivo, for in vivo screening and testing of drugs
CC targeted against GALR1 protein, and for studying the effect of the

CC variation on the biological activity of GALR1 as well as on the binding
CC affinity of candidate drugs targeting GALR1 for the treatment of
CC infectious diarrhoea and growth hormone insufficiency. AAS98289- AAS98408
CC represent human GALR1 gene allele-specific oligonucleotides used to
CC detect GALR1 gene polymorphisms as described in the method of the
CC invention
XX
XX
SQ Sequence 15 BP; 1 A; 7 C; 3 G; 3 T; 0 U; 1 Other;

Query Match 13.4%; Score 9.8; DB 1; Length 15;
Best Local Similarity 73.3%; Pred. No. 1.2e+03;
Matches 11; Conservative 1; Mismatches 3; Indels 0; Gaps 0;

QY 923 GCCTTTATCCCTCC 937
||| ||| ||| ||| |||
Db 1 GCCTGTATCCCGYC 15

RESULT 1333

ID ABK97325 standard; DNA; 15 BP.

XX ABK97325;

XX 07-OCT-2002 (first entry)

XX 16S rRNA gene B-C synthetic variant PCR primer.

XX Strain identification method; prokaryote; eukaryote; ribosomal DNA; HCR;
KW highly conserved region; highly variable region; HVR; bacterium;
KW methicillin-resistant Staphylococcus aureus; nosocomial infection; ss;
KW DNA fingerprinting; pathogenic bacteria; infection control; PCR; primer;
KW restriction fragment length polymorphism; RFLP; 16S rRNA; 23S rRNA; 5S.

XX Synthetic.

XX US6395475-B1.

XX 28-MAY-2002.

XX 05-JUN-1995; 95US-00461210.

XX 18-MAY-1993; 93US-00064596.

XX (UYFL) UNIV FLORIDA STATE.

XX Leggett CG, Whitehouse E, Reeves RH;

XX WPI; 2002-556092/59.

XX Identifying strain of prokaryote or individual of eukaryote, useful in
PT clinical laboratories for strain identification of pathogenic bacteria,
PT comprises amplifying specific DNA fragment in ribosomal RNA intergene
PT region.

XX Disclosure; Col 5; 31pp; English.

XX The present invention relates to a new method of identifying strain of
CC prokaryote or individual of eukaryote. This method involves amplifying a
CC highly conserved region (HCR) of ribosomal DNA of prokaryote or
CC eukaryote, where the HCR of DNA flanks a highly variable region (HVR) of
CC DNA, to generate amplified DNA sequences which are labelled, and
CC fragmented to yield labelled, amplified DNA fragments that are separated
CC by electrophoresis so that prokaryote or eukaryote can be identified. The
CC invention can be used for identifying a strain of a prokaryote or an
CC individual of an eukaryote. The method is preferably useful for
CC identifying a prokaryotic strain such as a bacterium, preferably
CC methicillin-resistant Staphylococcus aureus. The method is useful for
CC identifying different bacterial strains involved in e.g. nosocomial
CC infections, and for identifying species, sub-species and the differences
CC between the individuals of the sub-species such as pedigrees, with
CC respect to a eukaryote. The method is sensitive enough to detect
CC differences between e.g. bacterial isolates of the same species. The

CC methods generally depend upon rapid, semi automated DNA analysis, and
 CC more particularly, upon a type of DNA fingerprinting of multiple segments
 CC of DNA. The methods are beneficial in clinical laboratories, because they
 CC allow for rapid strain identification of pathogenic bacteria. The method
 CC is more definitive since genomic bacterial DNA is used. The method also
 CC provides results with great speed e.g. a preliminary screen by agarose
 CC gel electrophoresis of a polymerase chain reaction (PCR) product can be
 CC completed 5-6 hours after receiving hospital isolates. The preliminary
 CC screen can then be confirmed in approximately 24 hours by restriction
 CC fragment length polymorphism analysis (RFLP). The speed of the methods
 CC and provide infection control personnel with adequate information to contain
 CC and prevent the spread of nosocomial infections, rather than having
 CC analysis done retrospectively. The present nucleic acid sequence
 CC represents one of a collection (ABK97292-ABK97326) of PCR primers used in
 CC the methods of the invention, as described above
 XX
 XX Sequence 15 BP; 6 A; 2 C; 5 G; 2 T; 0 U; 0 Other;

Query Match 13.4%; Score 9.8; DB 1; Length 15;
 Best Local Similarity 84.6%; Pred. No. 1.2e+03;
 Matches 11; Conservative 0; Mismatches 2; Indels 0; Gaps 0;
 QY 904 GTCATTTCTCTTG 916
 Db 13 GTCATTTCTCTTG 1

RESULT 1334
 AAS18277/c
 ID AAS18277 standard; DNA; 15 BP.
 XX
 AC AAS18277;
 DT 25-FEB-2002 (first entry)
 XX
 DE ASO primer #24 to detect IMPDH2 gene polymorphisms.
 XX
 KW Human; single nucleotide polymorphism; SNP; IMPDH2; chromosome 3p21.2;
 KW IMP dehydrogenase 2; haplotyping; genotyping; cancer; cytostatic;
 KW allele-specific oligonucleotide; ASO; primer; ss.
 XX
 OS Homo sapiens.
 XX
 PN WO200177363-A2.
 XX
 PD 18-OCT-2001.

PF 11-APR-2001; 2001WO-US011851.
 XX
 PR 11-APR-2000; 2000US-0196248P.
 XX
 PA (GENA-) GENAISSANCE PHARM INC.
 XX
 PI Chew A, Choi JY, Koshy B, Lee HH, Stephens JC;
 XX WPI; 2002-041297/05.
 DR
 XX New isolated polynucleotide having polymorphic variant of IMP2
 PT dehydrogenase gene, useful for studying expression of the gene in vivo,
 PT and for testing efficacy of therapeutic agents for cancer in biological
 PT system.
 XX
 PS Claim 15; Page 13; 70pp; English.

XX The present invention relates to novel single nucleotide polymorphisms
 CC (SNPs) in the human IMP dehydrogenase 2 (IMPDH2) gene located on
 CC chromosome 3p21.2, and methods for haplotyping and/or genotyping the
 CC IMPDH2 gene in an individual. The methods of the invention make use of
 CC allele-specific oligonucleotides (ASOs) as probes and primers and/or
 CC primer-extension oligonucleotides for detecting the IMPDH2 gene
 CC polymorphisms. The polynucleotides and screened compounds are useful for
 CC (developing) treatment of diseases associated with IMPDH2 activity, such
 CC as cancer. AAS18254-AAS18279 represent ASO primers for detecting IMPDH2

CC gene polymorphisms
 XX
 SQ Sequence 15 BP; 5 A; 3 C; 6 G; 0 T; 0 U; 1 Other;
 Query Match 13.4%; Score 9.8; DB 1; Length 15;
 Best Local Similarity 73.3%; Pred. No. 1.2e+03;
 Matches 11; Conservative 1; Mismatches 3; Indels 0; Gaps 0;
 QY 912 CTTTGGCTTTTGCT 926
 Db 15 CYGTGCTCTCTGCT 1
 RESULT 1335
 AAD25989/c
 ID AAD25989 standard; DNA; 15 BP.
 XX
 AC AAD25989;
 XX
 DT 26-MAR-2002 (first entry)
 XX
 DE ASO primer #25 to detect human P14 gene polymorphisms.
 XX
 KW Human; protease inhibitor; P14; kallistatin; therapy; polymorphic site;
 KW PS; haplotyping; genotyping; acute pancreatitis; drug screening;
 KW antiinflammatory; chromosome 14q31-q32.1; primer; ss.
 XX
 OS Homo sapiens.
 XX
 PN WO200179227-A2.
 XX
 PD 25-OCT-2001.
 XX
 PF 13-APR-2001; 2001WO-US012255.
 XX
 PR 13-APR-2000; 2000US-0196990P.
 XX
 PA (GENA-) GENAISSANCE PHARM INC.
 XX
 PI Choi JY, Koshy B, Sanchis A;
 XX WPI; 2002-075060/10.
 DR
 XX Genotyping protease inhibitor 4 gene of individual for determining
 PT haplotype of individual, involves determining identity of nucleotide pair
 PT at specific polymorphic sites for two copies of gene.
 XX
 PS Claim 16; Page 13; 79pp; English.
 XX
 CC The present invention relates to genotyping protease inhibitor (PI) 4
 CC (kallistatin) gene of an individual, involves determining for the two
 CC copies of the P14 gene present in the individual, the identity of the
 CC nucleotide pair at one or more polymorphic sites. P14 gene is located on
 CC chromosome 14q31-q32.1. Genotyping is useful for determining if an
 CC individual has a haplotype or haplotype pairs defined in the
 CC specification. Haplotyping is useful for improving the efficacy and
 CC reliability of several steps in the discovery and development of drugs
 CC for treating diseases associated with P14 activity, e.g. acute
 CC pancreatitis, to validate P14 as a candidate agent for treating a
 CC specific condition or disease predicted to be associated with P14
 CC activity, and in the design of clinical trials of candidate drugs for
 CC treating a specific condition or disease predicted to be associated with
 CC P14 activity. The P14 gene is useful in studying the expression and
 CC function of P14, and in expressing P14 protein for use in screening for
 CC candidate drugs to treat diseases related to P14 activity. The present
 CC sequence is a ASO (allele-specific oligonucleotide) primer to detect
 CC human P14 gene polymorphisms
 XX
 SQ Sequence 15 BP; 5 A; 2 C; 1 G; 6 T; 0 U; 1 Other;
 Query Match 13.4%; Score 9.8; DB 1; Length 15;
 Best Local Similarity 84.6%; Pred. No. 1.2e+03;
 Matches 11; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Query Match 13.4%; Score 9.8; DB 1; Length 15;
Best Local Similarity 84.6%; Pred. No. 1.2e+03;
Matches 11; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 933 CCTCCTCTTCATT 945
DB 1 CTCTCTCTCAGT 13

RESULT 1337
ABS51924
ID ABS51924 standard; DNA; 15 BP.
XX
AC ABS51924;
XX
DT 05-NOV-2002 (first entry)
XX
DE Human FMO2 gene polymorphism detection ASO primer #45.
XX
KW Human; flavin containing monooxygenase-2; FMO2; isogene; drugs targeting;
KW drug toxicity; bone disorder; gene therapy; polymorphism; chromosome 1q;
KW allele-specific oligonucleotide; ASO; primer; ss.
XX
OS Homo sapiens.
XX
PN WO200253579-A2.
XX
PD 11-JUL-2002.
XX
PF 18-DEC-2001; 2001WO-US049059.
XX
PR 29-DEC-2000; 2000US-0259062P.
XX
PA (GENA-) GENAISSANCE PHARM INC.
XX
PI Bentivegna SC, Duda A, Kazemi A, Lee HI, Messer C, Parks KE;
XX
DR WPI; 2002-590627/63.
XX
PT Novel genetic variants of Flavin Containing Monooxygenase 2 isogenes,
PT useful for improving efficiency and reliability in drug development for
PT treating developmental bone disorders.
XX
PS Claim 15; Page 16; 140pp; English.
XX
CC The present invention relates to a new polynucleotide which comprises
CC flavin containing monooxygenase-2 (FMO2) isogenes. The invention is
CC useful in screening for drugs that are useful for treating drug toxicity.
CC The methods of the invention are useful for improving the efficiency and
CC reliability of several steps in the discovery and development of drugs
CC for treating diseases associated with FMO2 activity. The methods are also
CC used by the pharmaceutical research scientist to validate FMO2 as a
CC candidate target for treating a specific condition or disease predicted
CC to be associated with FMO2 activity, e.g. drug toxicity, and in the
CC design of clinical trials for treating a specific condition of disease
CC associated with FMO2 activity. The methods are also useful for screening
CC compounds targeting FMO2. The nucleic acid of the invention is useful in
CC studying the expression and function of FMO2, and in expressing FMO2
CC protein for use in screening for candidate drugs to treat diseases
CC related to FMO2 activity. It is also useful in studying the effect of the
CC variation on the biological activity of FMO2 as well as on the binding
CC affinity of candidate drugs targeting FMO2 for the treatment of drug
CC toxicity. The invention is useful for studying the expression of FMO2
CC isogenes in vivo, for in vivo screening and testing of drugs targeted
CC against FMO2 protein, and for testing the efficacy of therapeutic agents
CC and compounds for treating drug toxicity in a biological system. The
CC present nucleic acid sequence represents an allele-specific
CC oligonucleotide (ASO) primer that was used in the methods of the
CC invention to detect polymorphisms in the human FMO2 gene located on
CC chromosome 1q
XX
SQ Sequence 15 BP; 2 A; 5 C; 0 G; 7 T; 0 U; 1 Other;

QY 942 CATTGGTTTAATG 954
DB 13 CATTAGATTAAATG 1

RESULT 1336
AAS98674
ID AAS98674 standard; DNA; 15 BP.
XX
AC AAS98674;
XX
DT 26-MAR-2002 (first entry)
XX
DE Colony stimulating factor 1 receptor (CSF1R) oligonucleotide #40.
XX
KW Colony stimulating factor 1 receptor; CSF1R; polymorphic variant;
KW cytostatic; gene therapy; malignant histiocytosis; isogene;
KW myeloid malignancy; inflammatory disorder; transgenic animal; haplotype;
KW genotype; human; allele specific oligonucleotide; ASO; probe; ss.
XX
OS Homo sapiens.
XX
PN WO200179225-A2.
XX
PD 25-OCT-2001.
XX
PF 12-APR-2001; 2001WO-US012044.
XX
PR 12-APR-2000; 2000US-0196411P.
XX
PA (GENA-) GENAISSANCE PHARM INC.
XX
PI Chew A, Choi JY, Koshy B;
XX
DR WPI; 2002-075058/10.
XX
PT Novel polymorphic variants of colony stimulating factor 1 receptor useful
PT in studying expression and function of the protein, useful for screening
PT candidate drugs to treat diseases e.g. inflammatory disorders.
XX
PS Claim 15; Page 15; 164pp; English.
XX
CC The invention describes a novel isolated polynucleotide (I) comprising a
CC sequence which is a polymorphic variant (PV) of a reference sequence for
CC colony stimulating factor 1 receptor (CSF1R) gene, found on the
CC polypeptide are useful for improving the discovery and development of
CC drugs for treating diseases associated with CSF1R activity, e.g.,
CC malignant histiocytosis, myeloid malignancies, and inflammatory disorders
CC and the haplotypes can be used to validate CSF1R as a candidate target
CC for treating a specific condition or disease predicted to be associated
CC with CSF1R activity. Genotyping the CSF1R gene of an individual can also
CC be used in developing diagnostic tests and therapeutic treatments. (I) is
CC useful in studying the expression and function of CSF1R, and in
CC expressing CSF1R protein for use in screening for candidate drugs to
CC treat diseases related to CSF1R activity and in studying the effect of
CC the variation on the biological activity of CSF1R as well as on the
CC binding affinity of candidate drugs targeting CSF1R. Antibodies are
CC useful in a variety of diagnostic and prognostic formats and therapeutic
CC methods. A transgenic animal is useful in studying expression of the
CC CSF1R isogenes in vivo, for in vivo screening and testing of drugs
CC targeted against CSF1R protein, and for testing the efficacy of
CC therapeutic agents and compounds. Allele specific oligonucleotides (ASO)
CC are useful as probes and primers, and for assaying a polymorphism in the
CC target region. Without requiring any a priori knowledge of the phenotypic
CC effect of any particular CSF1R or haplotype the invention provides a
CC method for identifying lead compounds that are more likely to show
CC efficacy in clinical trials. This sequence is an allele specific
CC oligonucleotide probe used for detecting CSF1R gene polymorphisms,
CC described in the method of the invention
XX
SQ Sequence 15 BP; 2 A; 7 C; 1 G; 4 T; 0 U; 1 Other;

Query Match 13.4%; Score 9.8; DB 1; Length 15;
 Best Local Similarity 84.6%; Pred. No. 1.2e+03;
 Matches 11; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 939 CTTTCATTCCTTTA 951
 |||||
 DB 1 CTTTCATTCCTTTA 13

RESULT 1338
 ABS51876/C
 ID ABS51876 standard; DNA; 15 BP.

XX AC ABS51876;
 XX DT 05-NOV-2002 (first entry)
 XX DE Human FMO2 gene polymorphism detection ASO probe #21.

XX KW Human; flavin containing monooxygenase-2; FMO2; isogene; drugs targeting;
 XX KW drug toxicity; bone disorder; gene therapy; polymorphism; chromosome 1q;
 XX KW allele-specific oligonucleotide; ASO; probe; ss.

XX OS Homo sapiens.
 XX PN WO200253579-A2.
 XX PD 11-JUL-2002.

XX PF 18-DEC-2001; 2001WO-US049059.
 XX PR 29-DEC-2000; 2000US-0259062P.
 XX PA (GENA-) GENAISSANCE PHARM INC.

XX PI Bentivegna SC, Duda A, Kazemi A, Lee HH, Messer C, Parks KE;
 XX DR WPI; 2002-590627/63.

XX PT Novel genetic variants of Flavin Containing Monooxygenase 2 isogenes,
 XX PT useful for improving efficiency and reliability in drug development for
 XX PT treating developmental bone disorders.

XX PS Claim 15; Page 15; 140pp; English.

XX CC The present invention relates to a new polynucleotide which comprises
 CC flavin containing monooxygenase-2 (FMO2) isogenes. The invention is
 CC useful in screening for drugs that are useful for treating drug toxicity.
 CC The methods of the invention are useful for improving the efficiency and
 CC reliability of several steps in the discovery and development of drugs
 CC for treating diseases associated with FMO2 activity. The methods are also
 CC used by the pharmaceutical research scientist to validate FMO2 as a
 CC candidate target for treating a specific condition or disease predicted
 CC to be associated with FMO2 activity, e.g. drug toxicity, and in the
 CC design of clinical trials for treating a specific condition of disease
 CC associated with FMO2 activity. The methods are also useful for screening
 CC compounds targeting FMO2. The nucleic acid of the invention is useful in
 CC studying the expression and function of FMO2, and in expressing FMO2
 CC protein for use in screening for candidate drugs to treat diseases
 CC related to FMO2 activity. It is also useful in studying the effect of the
 CC variation on the biological activity of FMO2 as well as on the binding
 CC affinity of candidate drugs targeting FMO2 for the treatment of drug
 CC toxicity. The invention is useful for studying the expression of FMO2
 CC isogenes in vivo, for in vivo screening and testing of drugs targeted
 CC against FMO2 protein, and for testing the efficacy of therapeutic agents
 CC and compounds for treating drug toxicity in a biological system. The
 CC present nucleic acid sequence represents an allele-specific
 CC oligonucleotide (ASO) probe that was used in the methods of the invention
 CC to detect polymorphisms in the human FMO2 gene located on chromosome 1q

XX SQ Sequence 15 BP; 11 A; 0 C; 3 G; 0 T; 0 U; 1 Other;

Query Match 13.4%; Score 9.8; DB 1; Length 15;

Best Local Similarity 73.3%; Pred. No. 1.2e+03;
 Matches 11; Conservative 1; Mismatches 3; Indels 0; Gaps 0;

QY 926 TTTTATCCCTCTCT 940
 |||||
 DB 15 TTTTTCMTCTCTT 1

RESULT 1339
 AAD30483/C
 ID AAD30483 standard; DNA; 15 BP.

XX AC AAD30483;

XX DT 07-AUG-2003 (revised)
 XX DT 21-MAY-2002 (first entry)

XX DE Probe #8 used to detect potyvirus PVY polymerase B motif target DNA.

XX KW Promiscuous probe; target nucleic acid; detection; polymerase; B motif;
 XX KW potato virus Y; PVY; ss.

XX OS Potato virus Y.

XX FH Key Location/Qualifiers
 XX FT variation replace(3,C)
 XX FT /*tag= a

XX PN WO200210443-A1.

XX PD 07-FEB-2002.

XX PF 27-JUL-2001; 2001WO-AU000931.

XX PR 27-JUL-2000; 2000AU-00009026.

XX PR 17-AUG-2000; 2000AU-00009483.

XX PR 18-AUG-2000; 2000US-0226212P.

XX PA (AUSU) UNIV AUSTRALIAN NAT.

XX PI Gibbs MJ, Gibbs AJ, Brown RW;

XX DR WPI; 2002-206194/26.

XX PT Set of oligonucleotide probes for detecting different target
 XX PT polynucleotides, comprises a collection of different promiscuous probes
 XX PT each of which hybridizes to a target sequence shared between two target
 XX PT polynucleotides.

XX PS Disclosure; Fig 4; 75pp; English.

XX CC The present invention relates to a set of oligonucleotide probes and
 CC methods for detecting several different target polynucleotides. The set
 CC comprises a collection of different promiscuous probes each of which is
 CC capable of hybridizing to a target sequence shared between at least two
 CC target polynucleotides, where one target polynucleotide comprises at
 CC least one target sequence that is shared with one or more other
 CC polynucleotides. A predefined combination of promiscuous probes is
 CC capable of hybridizing to target sequences of at least one target
 CC polynucleotide, wherein said predefined combination of probes provide
 CC specificity of detection of that target polynucleotide. The probes of the
 CC invention are useful for detecting a number of different target
 CC polynucleotides using a programmable digital computer or for detecting an
 CC unknown or uncharacterised number of a polynucleotide family. The present
 CC sequence is an oligonucleotide probe used to detect potyvirus potato
 CC virus Y (PVY) polymerase B motif target DNA in the method of the
 CC invention. (Updated on 07-AUG-2003 to correct OS field.)

XX SQ Sequence 15 BP; 6 A; 3 C; 5 G; 1 T; 0 U; 0 Other;

Query Match 13.4%; Score 9.8; DB 1; Length 15;

Best Local Similarity 84.6%; Pred. No. 1.2e+03;
 Matches 11; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy 922 TGCCTTTATCC 934
 ||||| ||||| |||||
 Db 13 TGCCTTTATCC 1

RESULT 1340
 AAD30478/c
 ID AAD30478 standard; DNA; 15 BP.
 XX
 AC AAD30478;
 XX
 DT 07-AUG-2003 (revised)
 XX 21-MAY-2002 (first entry)
 DE Probe #3 used to detect potyvirus PVY polymerase B motif target DNA.
 XX
 KW Promiscuous probe; target nucleic acid; detection; polymerase; B motif;
 XX potato virus Y; PVY; ss.
 OS Potato virus Y.
 XX
 FH Key Location/Qualifiers
 FT variation replace(3,H)
 FT /*tag= a
 XX
 FN WO200210443-A1.
 XX
 PD 07-FEB-2002.
 XX
 XX 27-JUL-2001; 2001WO-AU000931.
 XX
 PR 27-JUL-2000; 2000AU-00009026.
 PR 17-AUG-2000; 2000AU-00009483.
 PR 18-AUG-2000; 2000US-0226212P.
 XX
 PA (AUSU) UNIV AUSTRALIAN NAT.
 XX
 PI Gibbs MJ, Gibbs AJ, Brown RW;
 XX
 DR WPI; 2002-206194/26.
 XX
 PT Set of oligonucleotide probes for detecting different target
 PT polynucleotides, comprises a collection of different promiscuous probes
 PT each of which hybridizes to a target sequence shared between two target
 PT polynucleotides.
 XX
 PS Disclosure; Fig 4; 75pp; English.
 XX
 CC The present invention relates to a set of oligonucleotide probes and
 CC methods for detecting several different target polynucleotides. The set
 CC comprises a collection of different promiscuous probes each of which is
 CC capable of hybridizing to a target sequence shared between at least two
 CC target polynucleotides, where one target polynucleotide comprises at
 CC least one target sequence that is shared with one or more other
 CC polynucleotides. A predefined combination of promiscuous probes is
 CC capable of hybridizing to target sequences of at least one target
 CC polynucleotide, wherein said predefined combination of probes provide
 CC specificity of detection of that target polynucleotide. The probes of the
 CC invention are useful for detecting a number of different target
 CC polynucleotides using a programmable digital computer or for detecting an
 CC unknown or uncharacterised number of a polynucleotide family. The present
 CC virus Y (PVY) polymerase B motif target DNA in the method of the
 CC invention. (Updated on 07-AUG-2003 to correct OS field.)
 XX
 SQ Sequence 15 BP; 6 A; 3 C; 6 G; 0 T; 0 U; 0 Other;
 Query Match 13.4%; Score 9.8; DB 1; Length 15;
 Best Local Similarity 84.6%; Pred. No. 1.2e+03;
 Matches 11; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy 922 TGCCTTTATCC 934
 ||||| ||||| |||||
 Db 13 TGCCTTTATCC 1

RESULT 1341
 AET05329
 ID AET05329 standard; DNA; 15 BP.
 XX
 AC AET05329;
 XX
 DT 24-OCT-2002 (first entry)
 XX
 DE Human N-acetylgalactosaminidase (NAGA) alpha gene ASO primer 21.
 XX
 KW Human; PCR; primer; ss; gene therapy; N-acetylgalactosaminidase alpha;
 XX chromosome 22q13.2-q13.31; lysosomal glycohydrolase; screening; SNP;
 KW NAGA-related disease; single nucleotide polymorphism; haplotyping; NAGA;
 XX genotyping.
 XX
 OS Homo sapiens.
 XX
 PN WO200194637-A1.
 XX
 PD 13-DEC-2001.
 XX
 PF 07-JUN-2001; 2001WO-US018456.
 XX
 PR 07-JUN-2000; 2000US-0210110P.
 XX
 PA (GENA-) GENAISANCE PHARM INC.
 XX
 PI Duda A, Kazemi A, Koshiy B, Parks KE;
 XX
 DR WPI; 2002-566449/60.
 XX
 PT New genetic variants of isolated N-acetylgalactosaminidase (NAGA), Alpha
 PT gene, useful for therapeutic purposes, for studying the expression and
 PT function of the polynucleotide, and for expressing NAGA protein.
 XX
 PS Claim 16; Page 13; 91pp; English.
 XX
 CC The invention comprises the amino acid and coding sequence of the human N
 CC -acetylgalactosaminidase (NAGA) alpha protein. The invention specifically
 CC comprises novel polymorphic sites identified within the NAGA gene. The
 CC NAGA gene is located on chromosome 22q13.2-q13.31, and encodes a
 CC lysosomal glycohydrolase that cleaves alpha-N-acetylgalactosaminyl
 CC moieties in glycoconjugates. The NAGA DNA and protein sequences of the
 CC invention are useful for studying the expression and function of NAGA and
 CC for screening candidate drugs to treat diseases related to NAGA activity.
 CC The NAGA gene polymorphisms identified in the present invention are
 CC useful for haplotyping and genotyping the NAGA gene of an individual. The
 CC present DNA sequence represents an N-acetylgalactosaminidase gene allele-
 CC specific oligonucleotide primer
 XX
 SQ Sequence 15 BP; 0 A; 7 C; 1 G; 6 T; 0 U; 1 Other;
 Query Match 13.4%; Score 9.8; DB 1; Length 15;
 Best Local Similarity 84.6%; Pred. No. 1.2e+03;
 Matches 11; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy 934 CTCCTTTCTATG 946
 ||||| ||||| |||||
 Db 1 CTCCTTTCTATG 13

RESULT 1342
 AAS95610
 ID AAS95610 standard; DNA; 15 BP.
 XX
 AC AAS95610;
 XX
 DT 14-FEB-2002 (first entry)
 XX

DE Apolipoprotein C-IV allele-specific oligonucleotide #31.
 XX Apolipoprotein C-IV; APOC4; human; antilipemic; haplotyping;
 KW hypertriglyceridaemia; allele-specific oligonucleotide; ASO; ss.
 XX Homo sapiens.
 XX WO200177127-A2.
 XX 18-OCT-2001.
 XX 10-APR-2001; 2001WO-US011715.
 XX 11-APR-2000; 2000US-0195825P.
 XX (GENA-) GENAISSANCE PHARM INC.
 PA (LEE H.) LEE H H.
 XX Choi JY, Kliem SE, Koshiy B;
 XX WPI; 2002-041284/05.
 XX New haplotypes of human apolipoprotein C-IV gene, useful to diagnose and
 PT treat diseases associated with its activity such as hypertriglyceridaemia.
 XX Claim 16; Page 13; 64pp; English.
 XX The invention relates to haplotyping the apolipoprotein C-IV (APOC4) gene
 CC of an individual, comprising determining if the individual has one of the
 CC APOC4 haplotypes or haplotype pairs fully defined in the specification.
 CC Haplotyping the APOC4 gene of an individual, comprises determining the
 CC identity of the nucleotide at two or more polymorphic sites in one copy
 CC of the gene. The method also comprises identifying an association between
 CC a trait and a haplotype or haplotype pair of the APOC4 gene, comprising
 CC comparing the frequency of the haplotypes/pair in a population exhibiting
 CC the trait with that of a reference population. A higher frequency in the
 CC trait population indicates the trait is associated with the haplotype.
 CC The polymorphisms and screened compounds are useful for developing
 CC treatment for diseases associated with APOC4 activity such as
 CC hypertriglyceridaemia. AAS95580-AAS95634 represent human apolipoprotein C
 CC -IV allele-specific oligonucleotides of the invention.
 XX Sequence 15 BP; 1 A; 2 C; 1 G; 10 T; 0 U; 1 Other;
 SQ Query Match 13.4%; Score 9.8; DB 1; Length 15;
 Best Local Similarity 73.3%; Pred. No. 1.2e+03;
 Matches 11; Conservative 1; Mismatches 3; Indels 0; Gaps 0;
 QY 918 TCTTTGCCCTTTATC 932
 DB 1 TCTTTTGTATTATC 15
 RESULT 1343
 ABL51962
 ID ABL51962 standard; DNA; 15 BP.
 AC ABL51962;
 XX 11-JUL-2002 (first entry)
 XX Human SLC18A2 allele specific oligonucleotide probe SEQ ID NO:10.
 XX Human; solute carrier family 18 member 2; SLC18A2; vesicular monoamine;
 KW vesicular monoamine transporter; VMAT2; polymorphic site; SNP;
 KW single nucleotide polymorphism; antiinflammatory; neuroleptic;
 KW haplotyping; genotyping; respiratory inflammatory disease;
 KW neuropsychiatric disorder; monoaminergic brain system; probe; ss.
 XX Homo sapiens.
 XX Key Location/Qualifiers
 FH misc_feature 8
 FT

FT /*tag= a
 XX /note= "polymorphic site indicated by an ambiguity base"
 PN WO200222652-A2.
 XX 21-MAR-2002.
 XX 17-SEP-2001; 2001WO-US042217.
 XX 15-SEP-2000; 2000US-0232895P.
 XX (GENA-) GENAISSANCE PHARM INC.
 XX Anastasio AE, Han J, Kliem SE, Sausker EA;
 XX WPI; 2002-393942/42.
 XX Novel genetic variants of soluble carrier family 18 (vesicular
 PT monoamine), member 2 gene useful for screening drugs to treat diseases
 PT e.g. neuropsychiatric disorders involving monoaminergic brain systems.
 XX Claim 17; Page 14; 183pp; English.
 XX The present invention describes an isolated polynucleotide (I) having a
 CC sequence (S1) comprising soluble carrier family 18 (vesicular monoamine),
 CC member 2 (SLC18A2) isogene selected from 49 isogenes with regions of a
 CC sequence (S2) of 40023 bp (see ABL51954), and defined by a corresponding
 CC set of polymorphisms whose locations and identities are given in the
 CC specification; or a sequence (S2) complementary to (S1). (I) has
 CC antiinflammatory and neuroleptic activities, and can be used in gene
 CC therapy. Methods from the present invention can be used for haplotyping
 CC and genotyping the SLC18A2 gene in an individual. SLC18A2 is also known
 CC as the vesicular monoamine transporter (VMAT2). (I) is useful in studying
 CC the expression and function of SLC18A2, and in expressing the SLC18A2
 CC protein for use in screening for candidate drugs to treat diseases
 CC related to SLC18A2 activity and in studying the effect of the variation
 CC on the biological activity of SLC18A2 as well as on the binding affinity
 CC of candidate drugs targeting SLC18A2 for the treatment of respiratory
 CC inflammatory diseases such as neuropsychiatric disorders involving
 CC monoaminergic brain systems. The present sequence represents an allele
 CC specific oligonucleotide (ASO) probe for human SLC18A2, which is given in
 XX the present invention
 SQ Sequence 15 BP; 0 A; 5 C; 4 G; 5 T; 0 U; 1 Other;
 Query Match 13.4%; Score 9.8; DB 1; Length 15;
 Best Local Similarity 73.3%; Pred. No. 1.2e+03;
 Matches 11; Conservative 1; Mismatches 3; Indels 0; Gaps 0;
 QY 933 CTTCTCTCTTCATTGG 947
 DB 1 CTTCTCTCTTCATTGG 15
 RESULT 1344
 ABK96294/C
 ID ABK96294 standard; DNA; 15 BP.
 AC ABK96294;
 XX 24-SEP-2002 (first entry)
 XX EDG1 gene allele-specific oligonucleotide #9.
 XX EDG1; human; haplotyping; vascular developmental disorder; PCR; primer;
 KW endothelial differentiation sphingolipid G protein-coupled receptor 1;
 KW ss.
 XX Homo sapiens.
 XX WO200244200-A2.
 XX 06-JUN-2002.

XX 03-DEC-2001; 2001WO-US046946.
 XX
 XX 01-DEC-2000; 2000US-0250606P.
 XX
 XX (GENA-) GENAISSANCE PHARM INC.
 XX
 XX Bieglecki XM, Kazemi A, Shah N;
 XX
 XX WPI; 2002-519581/55.
 XX
 XX Novel genetic variants of Endothelial Differentiation, Sphingolipid G
 XX Protein-Coupled Receptor 1 isogenes, useful for improving efficiency and
 XX reliability in drug development for treating vascular developmental
 XX disorders.
 XX
 XX Claim 14; Page 13; 68pp; English.
 XX
 XX The invention relates to an isolated polynucleotide (I) encoding
 XX endothelial differentiation, sphingolipid G protein-coupled receptor 1
 XX (EDG1) (II). Also described are methods for haplotyping or genotyping
 XX EDG1 gene of an individual by identifying single nucleotide polymorphisms
 XX (SNPs) of the gene. (II) is useful in screening for drugs targeting (II)
 XX that are useful for treating vascular developmental disorders. The
 XX methods are useful for improving the efficiency and reliability of
 XX several steps in the discovery and development of drugs for treating
 XX diseases associated with EDG1 activity. The haplotyping method is also
 XX used in pharmaceutical research to validate EDG1 as a candidate target
 XX for treating a specific condition or disease predicted to be associated
 XX with EDG1 activity, e.g. vascular developmental disorders, and in the
 XX design of clinical trials for treating a specific condition of disease
 XX associated with EDG1 activity. The methods are also useful for screening
 XX compounds targeting EDG1. ABK96286-ABK96332 represent EDG1 gene allele-
 XX specific oligonucleotides, primer extension oligonucleotides and related
 XX PCR primers of the invention
 XX
 XX Sequence 15 BP; 6 A; 0 C; 8 G; 0 T; 0 U; 1 Other;
 XX
 XX Query Match 13.4%; Score 9.8; DB 1; Length 15;
 XX Best Local Similarity 73.3%; Pred. No. 1.2e+03;
 XX Matches 11; Conservative 1; Mismatches 3; Indels 0; Gaps 0;
 XX
 XX QY 928 TTATCCCTCCCTTC 942
 XX |||||:|:|:|
 XX 15 TTCTCCCTTCCTTC 1
 XX
 XX RESULT 1345
 XX ABL91839
 XX ID ABL91839 standard; DNA; 15 BP.
 XX
 XX AC ABL91839;
 XX
 XX DT 11-JUL-2002 (first entry)
 XX
 XX DE Human LIPG gene allele specific oligonucleotide primer 18.
 XX
 XX KW Human; ss; allele specific oligonucleotide; primer;
 XX single nucleotide polymorphism; SNP; lipase endothelial isogene; LIPG;
 XX drug screening; atherosclerosis; cardiovascular disorder;
 XX LIPG haplotyping; LIPG genotyping.
 XX
 XX OS Homo sapiens.
 XX
 XX FN WO200216397-A2.
 XX
 XX PD 28-FEB-2002.
 XX
 XX PF 17-AUG-2001; 2001WO-US026639.
 XX
 XX XX 25-AUG-2000; 2000US-0227825P.
 XX
 XX (GENA-) GENAISSANCE PHARM INC.

XX Duda A, Kazemi A, Kliem SE, Messer C;
 XX
 XX WPI; 2002-292055/33.
 XX
 XX Novel genetic variants of Lipase, Endothelial isogenes, useful for
 XX improving efficiency and reliability in drug development for treating
 XX diseases associated with LIPG activity, e.g. atherosclerosis.
 XX
 XX Claim 16; Page 14; 134pp; English.
 XX
 XX The invention comprises the DNA and amino acid sequence of the human
 XX lipase, endothelial (LIPG) isogene. Specifically, the invention relates
 XX to the discovery of 20 novel polymorphic sites within the LIPG gene. The
 XX LIPG coding sequence and protein are useful for screening drugs that can
 XX be used to treat atherosclerosis and other cardiovascular disorders. The
 XX LIPG coding sequence can also be used to haplotype and genotype the LIPG
 XX gene of an individual. The DNA sequences ABU91822 - ABL91861 represent
 XX LIPG gene allele specific oligonucleotide primers
 XX
 XX Sequence 15 BP; 0 A; 4 C; 1 G; 9 T; 0 U; 1 Other;
 XX
 XX Query Match 13.4%; Score 9.8; DB 1; Length 15;
 XX Best Local Similarity 73.3%; Pred. No. 1.2e+03;
 XX Matches 11; Conservative 1; Mismatches 3; Indels 0; Gaps 0;
 XX
 XX QY 917 GTCCTTGCCTTTTAT 931
 XX |||||:|:|:|
 XX 1 GTCCTTGCCTTCTT 15
 XX
 XX RESULT 1346
 XX ABL57160
 XX ID ABL57160 standard; DNA; 15 BP.
 XX
 XX AC ABL57160;
 XX
 XX DT 05-AUG-2002 (first entry)
 XX
 XX DE Probe for FY gene polymorphism detection.
 XX
 XX KW Duffy; blood group; FY; human; receptor; haplotyping; genotyping;
 XX transgenic animal; malaria; inflammation; antimalarial; protozoacide;
 XX antiinflammatory; single nucleotide polymorphism; SNP; probe; ss.
 XX
 XX OS Homo sapiens.
 XX
 XX PN WO200230950-A2.
 XX
 XX PD 18-APR-2002.
 XX
 XX PF 15-OCT-2001; 2001WO-US042725.
 XX
 XX PR 13-OCT-2000; 2000US-0240275P.
 XX
 XX (GENA-) GENAISSANCE PHARM INC.
 XX
 XX PI Chew A, Choi JY, Koshy B;
 XX
 XX WPI; 2002-426264/45.
 XX
 XX Novel genetic variants of Duffy Blood group (FY) gene useful for
 XX screening drugs to treat diseases e.g. malaria and inflammatory
 XX disorders.
 XX
 XX Claim 15; Page 14; 98pp; English.
 XX
 XX The present sequence is an allele-specific oligonucleotide probe that was
 XX designed to detect a specific polymorphism in the human Duffy blood group
 XX (FY) gene (see ABL57150). The probe, and a probe of complementary
 XX sequence, belong to a set of probes (see ABL57151-66) that can be used in
 XX a kit for haplotyping or genotyping the FY gene of an individual. The
 XX probes provide good discrimination between the different FY gene

CC polymorphisms by each having a central nucleotide that aligns with the
 CC polymorphic site in the target region. The present invention provides
 CC novel genetic variants of the FY gene, and discloses various genotypes,
 CC haplotypes and haplotype pairs that exist in the general United States
 CC population. Compositions and methods for haplotyping and/or genotyping
 CC the FY gene in an individual are also disclosed. The polymorphism and
 CC haplotype data are useful for validating FY as a candidate target for
 CC treating a condition or disease associated with FY activity, such as
 CC malaria and inflammatory disorders

XX Sequence 15 BP; 0 A; 5 C; 0 G; 9 T; 0 U; 1 Other;
 SQ Query Match 13.4%; Score 9.8; DB 1; Length 15;
 Best Local Similarity 73.3%; Pred. No. 1.2e+03;
 Matches 11; Conservative 1; Mismatches 3; Indels 0; Gaps 0;

QY 921 TTGCTTTTATCCCT 935
 DB 1 TTCTCTTTCCTT 15
 |||||
 |||||

RESULT 1347
 ABL30535/C
 ID ABL30535 standard; DNA; 15 BP.
 XX AC ABL30535;
 XX XX
 XX 21-MAR-2002 (first entry)
 XX DE Human HLA genotyping oligonucleotide SEQ ID NO 24.
 XX XX
 XX Human; human leukocyte antigen; HLA; genotype; polymorphism;
 KW immunogenetic; transplantation; genetic disease; ss.
 XX OS Homo sapiens.
 XX XX
 XX WO200192572-A1.
 XX PD 06-DEC-2001.
 XX XX
 XX 01-JUN-2001; 2001WO-JP004662.
 XX PF
 XX PR 01-JUN-2000; 2000JP-00164798.
 XX XX
 XX (NISH) NISSHINBO IND INC.
 XX PA (SYST-) SYSTEM RES INC.
 XX PI Inoko H, Kagiya T, Ichihara T, Matsumura Y, Moriya S, Nishida M;
 XX WPI; 2002-122074/16.
 XX DR
 XX Human leukocyte antigen (HLA) typing, useful for judging HLA genotypes of
 PT individuals e.g. by determining immunogenetic differences when
 PT transplanting between them.
 XX PS Claim 10; Page 97; 345pp; Japanese.
 XX XX
 CC The invention relates to a typing kit for judging human leukocyte antigen
 CC (HLA) genotype of a sample by hybridising a substrate on which 10-24 base
 CC oligonucleotides (ABL30512-ABL31809) originating in the sequences of
 CC genes e.g. belonging to HLA class I antigens on human genome and
 CC containing gene polymorphisms as alloantigens have been immobilised as
 CC primers for amplification of cleaved nucleic acids relating to gene
 CC polymorphisms. The method is useful for judging HLA genotypes of
 CC individuals by determining immunogenetic differences before transplanting
 CC between them, providing genetic information to decide compatibility of
 CC organ and tissue for transplantation e.g. of bone marrow, kidney, liver,
 CC pancreas, Langerhans islet in pancreas and cornea, susceptibility
 CC diagnosis of genetic diseases and identifying individuals

XX Sequence 15 BP; 5 A; 1 C; 8 G; 1 T; 0 U; 0 Other;
 SQ Query Match 13.4%; Score 9.8; DB 1; Length 15;

Best Local Similarity 84.6%; Pred. No. 1.2e+03;
 Matches 11; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 931 TCCTCTCTTCA 943
 DB 14 TCCTCTCTTCA 2
 |||||
 |||||

RESULT 1348
 ABK31902
 ID ABK31902 standard; DNA; 15 BP.
 XX AC ABK31902;
 XX XX
 XX 23-APR-2002 (first entry)
 XX XX
 XX Human colon cancer SAGE tag #3.
 XX DE
 XX Human; colon cancer; colorectal cancer; pancreatic cancer; SAGE tag;
 KW serial analysis of gene expression; diagnostic; prognostic; probe;
 KW cancer marker; ss.
 XX OS Homo sapiens.
 XX XX
 XX US6333152-B1.
 XX PD 25-DEC-2001.
 XX XX
 XX 20-MAY-1998; 98US-00081646.
 XX PF
 XX PR 20-MAY-1998; 98US-00081646.
 XX XX
 XX (UYJO) UNIV JOHNS HOPKINS.
 XX PA
 XX Vogelstein B, Kinzler KW, Zhang L, Zhou W;
 XX WPI; 2002-153821/20.
 XX DR
 XX New human nucleic acid containing specific SAGE tags, useful as
 PT diagnostic markers for cancer, also derived probes.
 XX PS Disclosure; Col 13; 161pp; English.
 XX XX
 CC The invention relates to an isolated, purified human nucleic acid (I)
 CC that has the same sequence as a mRNA found in humans and is a SAGE
 CC (serial analysis of gene expression) tag comprising a single stranded
 CC probe containing at least 10 consecutive nucleotides. SAGE tags, are
 CC diagnostic and prognostic markers of cancer, especially of the colon and
 CC pancreas. ABK31900-ABK32770 represent human colon and pancreatic cancer
 CC SAGE tags of the invention

XX SQ Sequence 15 BP; 3 A; 6 C; 2 G; 4 T; 0 U; 0 Other;
 Query Match 13.4%; Score 9.8; DB 1; Length 15;
 Best Local Similarity 84.6%; Pred. No. 1.2e+03;
 Matches 11; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 922 TGCCCTTTATCC 934
 DB 3 TGCCGTGTAATCC 15
 |||||
 |||||

RESULT 1349
 ABI99089
 ID ABI99089 standard; DNA; 15 BP.
 XX AC ABI99089;
 XX XX
 XX 27-FEB-2002 (first entry)
 XX DT
 XX Human PCDH2 ASO PCR primer SEQ ID NO 46.
 XX DE
 XX Human; PCDH2; protocadherin 2; haplotyping; polymorphic variant; SNP;
 XX KW

KW single nucleotide polymorphism; cytostatic; cancer; chromosome 5q31;
 KW allele-specific oligonucleotide; ASO; PCR primer; ss.
 XX Homo sapiens.
 XX WO200194361-A2.
 XX 13-DEC-2001.
 XX 06-JUN-2001; 2001WO-US018321.
 XX 06-JUN-2000; 2000US-0209564P.
 XX (GENA-) GENAISSANCE PHARM INC.
 XX Kliem SE, Koshy B, Tanguay DA;
 XX WPI; 2002-097928/13.
 XX New protocadherin 2 (PCDH2) polymorphic variants and encoding genes,
 PT useful in expressing PCDH2 protein for screening candidate drugs to treat
 PT diseases related to PCDH2 activity.
 XX Claim 16; Page 13; 127pp; English.
 XX The invention relates to haplotyping the protocadherin 2 (PCDH2) gene,
 CC comprising determining which of the haplotypes given in the specification
 CC defines one or both copies of the individual's PCDH2 gene. The
 CC polymorphisms are within a 30244 base pair sequence (ABA05413), fully
 CC defined in the specification. The polymorphic variants are useful in
 CC studying the expression and function of PCDH2, in expressing PCDH2
 CC protein for use in screening for candidate drugs to treat diseases such
 CC as cancer, related to PCDH2 activity, in studying the effect of the
 CC variation on the biological activity of PCDH2 and the binding affinity of
 CC candidate drugs targeting PCDH2. The haplotyping methods are useful in
 CC validating PCDH2 as a candidate target for treating a specific condition
 CC or disease predicted to be associated with PCDH2 activity or in the
 CC design of clinical trials of candidate drugs for treating a specific
 CC condition or disease associated with PCDH2 activity. The present sequence
 CC is that of a PCDH2 allele-specific oligonucleotide (ASO) PCR primer of
 CC the invention
 XX Sequence 15 BP; 0 A; 1 C; 6 G; 7 T; 0 U; 1 Other;
 SQ

Query Match 13.4%; Score 9.8; DB 1; Length 15;
 Best Local Similarity 73.3%; Pred. No. 1.2e+03;
 Matches 11; Conservative 1; Mismatches 3; Indels 0; Gaps 0;

Qy 909 TTTCTTTGGTCTTTG 923
 ||||| ||| |||
 Db 1 TTTCTGTGGGCTTGG 15

RESULT 1350
 AB199113/c
 ID AB199113 standard; DNA; 15 BP.
 XX AB199113;
 AC
 DT 27-FEB-2002 (first entry)
 XX Human PCDH2 ASO PCR primer SEQ ID NO 70.
 DE
 XX Human; PCDH2; protocadherin 2; haplotyping; polymorphic variant; SNP;
 KW single nucleotide polymorphism; cytostatic; cancer; chromosome 5q31;
 KW allele-specific oligonucleotide; ASO; PCR primer; ss.
 XX Homo sapiens.
 OS
 XX WO200194361-A2.
 XX 13-DEC-2001.
 XX

PF 06-JUN-2001; 2001WO-US018321.
 XX
 PR 06-JUN-2000; 2000US-0209564P.
 XX
 PA (GENA-) GENAISSANCE PHARM INC.
 XX
 PI Kliem SE, Koshy B, Tanguay DA;
 XX
 DR WPI; 2002-097928/13.
 XX
 XX New protocadherin 2 (PCDH2) polymorphic variants and encoding genes,
 PT useful in expressing PCDH2 protein for screening candidate drugs to treat
 PT diseases related to PCDH2 activity.
 XX
 PS Claim 16; Page 14; 127pp; English.
 XX
 CC The invention relates to haplotyping the protocadherin 2 (PCDH2) gene,
 CC comprising determining which of the haplotypes given in the specification
 CC defines one or both copies of the individual's PCDH2 gene. The
 CC polymorphisms are within a 30244 base pair sequence (ABA05413), fully
 CC defined in the specification. The polymorphic variants are useful in
 CC studying the expression and function of PCDH2, in expressing PCDH2
 CC protein for use in screening for candidate drugs to treat diseases such
 CC as cancer, related to PCDH2 activity, in studying the effect of the
 CC variation on the biological activity of PCDH2 and the binding affinity of
 CC candidate drugs targeting PCDH2. The haplotyping methods are useful in
 CC validating PCDH2 as a candidate target for treating a specific condition
 CC or disease predicted to be associated with PCDH2 activity or in the
 CC design of clinical trials of candidate drugs for treating a specific
 CC condition or disease associated with PCDH2 activity. The present sequence
 CC is that of a PCDH2 allele-specific oligonucleotide (ASO) PCR primer of
 CC the invention
 XX Sequence 15 BP; 8 A; 2 C; 3 G; 1 T; 0 U; 1 Other;
 SQ

Query Match 13.4%; Score 9.8; DB 1; Length 15;
 Best Local Similarity 73.3%; Pred. No. 1.2e+03;
 Matches 11; Conservative 1; Mismatches 3; Indels 0; Gaps 0;

Qy 933 CCTCTCTTTCATTGG 947
 ||| ||| ||| |||
 Db 15 CTTCTGTTTCATTG 1

RESULT 1351
 AAL48116/c
 ID AAL48116 standard; DNA; 15 BP.
 XX AAL48116;
 AC
 DT 27-SEP-2002 (first entry)
 XX Human neurotrophin Y allele specific primer SEQ ID NO: 40.
 DE
 XX Human; neurotrophin Y; NPY; isogene; SNP; atherosclerosis; obesity;
 KW psychological disorder; single nucleotide polymorphism; alcoholism;
 KW antiarteriosclerotic; anorectic; PCR; primer; ss.
 XX Homo sapiens.
 OS
 XX WO200251857-A1.
 XX
 PD 04-JUL-2002.
 XX
 XX 21-DEC-2000; 2000WO-US034758.
 XX
 XX 21-DEC-2000; 2000WO-US034758.
 PR
 XX (GENA-) GENAISSANCE PHARM INC.
 PA
 XX Chew A, Denton RE, Lanz EM, Nandabalan K, Stephens JC;
 PI WPI; 2002-566671/60.
 XX
 DR

XX New genetic variants of the human Neuropeptide Y (NPY) gene useful for
PT treating disorders affected by abnormal expression or function of NPY
PT isogene e.g., atherosclerosis or obesity.
PS Claim 11; Page 17; 80pp; English.
XX The present invention provides the human neuropeptide Y (NPY) gene and
CC single nucleotide polymorphisms (SNPs) identified therein. The sequence
CC can be used in the treatment of disorders associated with NPY, including
CC atherosclerosis, obesity, psychological disorders and alcoholism. The
CC present sequence is an allele specific primer used to isolate the human
CC NPY coding sequence
XX
SQ Sequence 15 BP; 7 A; 0 C; 7 G; 1 T; 0 U; 0 Other;
Query Match 13.4%; Score 9.8; DB 1; Length 15;
Best Local Similarity 84.6%; Pred. No. 1.2e+03;
Matches 11; Conservative 0; Mismatches 2; Indels 0; Gaps 0;
QY 925 CTTTATCCCTCC 937
DB 13 CTTTCTCCCTC 1
RESULT 1352
AAL48118/C
ID AAL48118 standard; DNA; 15 BP.
XX
AC AAL48118;
XX
DT 27-SEP-2002 (first entry)
XX
DE Human neuropeptide Y allele specific primer SEQ ID NO: 42.
XX
XX Human; neuropeptide Y; NPY; isogene; SNP; atherosclerosis; obesity;
KW psychological disorder; single nucleotide polymorphism; alcoholism;
KW arteriosclerotic; anorectic; PCR; primer; ss.
XX
OS Homo sapiens.
XX
XX WO200251857-A1.
XX
PD 04-JUL-2002.
XX
PF 21-DEC-2000; 2000WO-US034758.
XX
PR 21-DEC-2000; 2000WO-US034758.
XX
PA (GENA-) GENAISSANCE PHARM INC.
XX
PI Chew A, Denton RR, Lanz EM, Nandabalan K, Stephens JC;
XX WPI; 2002-566671/60.
DR
XX
XX New genetic variants of the human Neuropeptide Y (NPY) gene useful for
PT treating disorders affected by abnormal expression or function of NPY
PT isogene e.g., atherosclerosis or obesity.
PS Claim 11; Page 17; 80pp; English.
XX The present invention provides the human neuropeptide Y (NPY) gene and
CC single nucleotide polymorphisms (SNPs) identified therein. The sequence
CC can be used in the treatment of disorders associated with NPY, including
CC atherosclerosis, obesity, psychological disorders and alcoholism. The
CC present sequence is an allele specific primer used to isolate the human
CC NPY coding sequence
XX
SQ Sequence 15 BP; 7 A; 1 C; 7 G; 0 T; 0 U; 0 Other;
Query Match 13.4%; Score 9.8; DB 1; Length 15;
Best Local Similarity 84.6%; Pred. No. 1.2e+03;
Matches 11; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 925 CTTTATCCCTCC 937
DB 13 CTTTCTCCCTC 1
RESULT 1353
ABZ95230
ID ABZ95230 standard; DNA; 15 BP.
XX
AC ABZ95230;
XX
DT 17-OCT-2003 (first entry)
XX
DE Human IL3 receptor antisense fragment no.1094.
XX
XX Human; antisense; lung dysfunction; nasal airway dysfunction;
KW antiinflammatory steroid; ubiquinone; antiinflammatory; antiallergic;
KW antiasthmatic; hypotensive; immunosuppressive; cytostatic; gene therapy;
KW antisense gene therapy; respiratory; lung; adenosine sensitivity;
KW adenosine receptor; bronchodilation; bronchoconstriction; lung allergy;
KW lung inflammation; respiratory disease; ds.
XX
OS Homo sapiens.
XX
XX WO200285308-A2.
XX
PD 31-OCT-2002.
XX
PF 23-APR-2002; 2002WO-US013135.
XX
PR 24-APR-2001; 2001US-0286137P.
XX
XX (EPIG-) EPIGENESIS PHARM INC.
PA
XX Nyce JW, Li Y, Sandrasagra A, Katz E, Pabalan J, Aguilar D;
PI Miller S, Tang L, Shahabuddin S;
XX WPI; 2003-229219/22.
XX
XX Pharmaceutical composition for treating ailments associated with impaired
PT respiration, has oligo(s) antisense to specific gene(s) or its
PT corresponding RNAs, and glucocorticoid or non-glucocorticoid steroid or
PT ubiquinone.
XX
XX Disclosure; SEQ ID NO 10472; 872pp; English.
XX
XX The invention relates to a novel pharmaceutical composition, which has a
CC first active agent comprising an oligonucleotide antisense to the
CC initiation codon, coding region, 5' or 3' end genomic flanking regions,
CC 5' and 3' intron-exon junctions, or regions within 2-10 nucleotides of
CC junctions of genes encoding a polypeptide associated with lung and/or
CC nasal airway dysfunction and a second active agent comprising an
CC antiinflammatory steroid and ubiquinone. A composition of the invention
CC has antiinflammatory, antiallergic, antiasthmatic, hypotensive,
CC immunosuppressive, and cytostatic activity. The composition may have a
CC use in antisense gene therapy. The composition is useful for treating or
CC preventing a respiratory, lung or malignant disease or condition, also
CC for enhancing the prophylactic or therapeutic respiratory effect of an
CC antiinflammatory steroid in a subject, for reducing or depleting levels
CC of, or reducing sensitivity to adenosine, reducing levels of adenosine
CC receptor, producing bronchodilation, increasing levels of ubiquinone or
CC lung surfactant in a subject's tissue, or treating bronchoconstriction,
CC lung inflammation, lung allergies, or a respiratory disease or condition.
CC Note: The sequence data for this patent is not represented in the printed
CC specification, but was obtained in electronic format directly from WIPO
CC at ftp.wipo.int/pub/published_pct_sequences
XX
XX Sequence 15 BP; 0 A; 5 C; 2 G; 8 T; 0 U; 0 Other;
SQ
Query Match 13.4%; Score 9.8; DB 1; Length 15;
Best Local Similarity 84.6%; Pred. No. 1.2e+03;
Matches 11; Conservative 0; Mismatches 2; Indels 0; Gaps 0;


```

Db      1 CTTTWTCTCTCT 15
RESULT 1356
ID      ACA09939/c
XX      ACA09939 standard; RNA; 15 BP.
XX      ACA09939;
XX
XX      03-JUN-2003 (first entry)
XX
XX      Necrosis factor kappa B sub-unit modulating enzyme target #132.
XX
XX      Enzymatic nucleic acid; nuclear factor kappa B; NFkB; inozyme; zinzyme;
XX      G-cleaver; amberzyme; cancer; REL-A activity; breast cancer; human;
XX      lung cancer; prostate cancer; colorectal cancer; brain cancer;
XX      oesophageal cancer; stomach cancer; bladder cancer; pancreatic cancer;
XX      cervical cancer; head and neck cancer; ovarian cancer; melanoma;
XX      lymphoma; glioma; multidrug resistant cancer; REL-A-specific inhibitor;
XX      chemotherapy; paclitaxel; docetaxel; cisplatin; methotrexate;
XX      cyclophosphamide; doxorubicin; fluorouracil carboplatin; edatrexate;
XX      gencitabine; radiation therapy; inflammatory disease; asthma; diabetes;
XX      rheumatoid arthritis; restenosis; Crohn's disease; obesity; ischaemia;
XX      gene therapy; autoimmune disease; lupus; multiple sclerosis; sepsis;
XX      transplant/graft rejection; reperfusion injury; glomerulonephritis;
XX      allergic airway inflammation; inflammatory bowel disease; infection; ss.
XX
XX      Homo sapiens.
XX
XX      US20002177568-A1.
XX
XX      28-NOV-2002.
XX
XX      23-MAY-2001; 2001US-00864785.
XX
XX      07-DEC-1992; 92US-00987132.
XX      18-MAY-1994; 94US-00245466.
XX      15-AUG-1994; 94US-00291932.
XX      23-DEC-1996; 96US-0077916.
XX
XX      (STIN/) STINCHOMB D T.
XX      (MCSW/) MCSWIGGEN J.
XX      (DRAP/) DRAPER K G.
XX
XX      Stinchcomb DT, Mcswiggen J, Draper KG;
XX      WPI; 2003-340953/32.
XX
XX      Novel enzymatic nucleic acid molecules which down regulates expression of
XX      a sequence encoding a subunit of nuclear factor kappa B useful for
XX      treating cancer, inflammatory disorders and autoimmune diseases.
XX
XX      Claim 3; Page 64; 72pp; English.
XX
XX      The invention describes an enzymatic nucleic acid molecule (I) which down
XX      regulates expression of a sequence encoding a subunit of nuclear factor
XX      kappa B (NFkB), where (I) is an inozyme, zinzyme, G-cleaver or amberzyme
XX      configuration. The enzymatic nucleic acid molecule is adapted to treat
XX      cancer and is useful for down-regulating REL-A activity in a cell, for
XX      treating a patient having a condition associated with the level of REL-A.
XX      (I) is useful for cleaving RNA comprising a sequence of REL-A gene, in
XX      the presence of a divalent cation, especially Mg2+. The enzymatic and
XX      antisense nucleic acid molecules are useful for treating breast, lung,
XX      prostate, colorectal, brain, oesophageal, stomach, bladder, pancreatic,
XX      cervical, head and neck, ovarian cancer, melanoma, lymphoma, glioma or
XX      multidrug resistant cancer. The method involves use of other drug
XX      therapies such as monoclonal antibodies, REL-A-specific inhibitors or
XX      chemotherapy including paclitaxel, docetaxel, cisplatin, methotrexate,
XX      cyclophosphamide, doxorubicin, fluorouracil carboplatin, edatrexate,
XX      gencitabine or radiation therapy. The enzymatic and antisense nucleic
XX      acid molecules are also useful for treating inflammatory disease such as
XX      rheumatoid arthritis, restenosis, asthma, Crohn's disease, diabetes,

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CC      obesity, autoimmune disease, lupus, multiple sclerosis, transplant/graft
CC      rejection, gene therapy applications, ischaemia/reperfusion injury
CC      (central nervous system (CNS) and myocardial) glomerulonephritis
CC      sepsis, allergic airway inflammation, inflammatory bowel disease or
CC      infection. This sequence represents the substrate of a novel enzymatic
CC      nucleic acid molecule
XX
XX      Sequence 15 BP; 5 A; 3 C; 6 G; 0 T; 1 U; 0 Other;
XX
XX      Query Match      13.4%; Score 9.8; DB 1; Length 15;
XX      Best Local Similarity 84.6%; Pred. No. 1.2e+03;
XX      Matches 11; Conservative 0; Mismatches 2; Indels 0; Gaps 0;
XX
XX      QY      931 TCCCTCCTCTTCA 943
XX      Db      13 TCCCGCTTCTTCA 1
XX
XX      RESULT 1357
XX      ACD56199
XX      ID      ACD56199 standard; RNA; 15 BP.
XX      AC      ACD56199;
XX      XX
XX      DT      24-SEP-2003 (first entry)
XX      DE      HBV enzymatic nucleic acid substrate sequence #88.
XX      KW      Nucleic acid molecule; Hepatitis C virus; HCV; Hepatitis B virus; HBV;
XX      RNA stability; RNA expression; RNA synthesis; antisense;
XX      enzymatic nucleic acid; hammerhead ribozyme; DNazyme; inozyme; zinzyme;
XX      amberzyme; G-cleaver ribozyme; decoy molecule; aptamer;
XX      HBV reverse transcriptase; Enhancer I region; viral replication;
XX      degenerative; disease state; HBV infection; HCV infection; cirrhosis;
XX      liver failure; hepatocellular carcinoma; hepatotropic; cytostatic;
XX      virucide; antiinflammatory; substrate; ss.
XX
XX      Hepatitis B virus.
XX      OS
XX      WO200281494-A1.
XX      PD      17-OCT-2002.
XX      PF      26-MAR-2002; 2002WO-US009187.
XX      PR      26-MAR-2001; 2001US-00817879.
XX      PR      08-JUN-2001; 2001US-00877478.
XX      PR      08-JUN-2001; 2001US-0296876P.
XX      PR      24-OCT-2001; 2001US-0335059P.
XX      PR      05-DEC-2001; 2001US-0337055P.
XX      XX      (RIBO-) RIBOZYME PHARM INC.
XX      PA      (BLAT/) BLATT L.
XX      PA      (MACE/) MACEJAK D.
XX      PA      (MCSW/) MCSWIGGEN J.
XX      PA      (MORR/) MORRISSEY D.
XX      PA      (PVC/) PAVCO P.
XX      PA      (LEEP/) LEE P.
XX      PA      (DRAP/) DRAPER K.
XX      PA      (ROBE/) ROBERTS B.
XX      XX      Blatt L, Macejak D, Mcswiggen J, Morrissey D, Pavco P, Lee P;
XX      PI      Draper K, Roberts E;
XX      WPI; 2003-229207/22.
XX
XX      Novel compound useful for treating cirrhosis, liver failure,
XX      hepatocellular carcinoma, or condition associated with hepatitis C virus
XX      infection.
XX      Example 1; Page 214; 387pp; English.
XX
XX      The present invention relates to nucleic acid molecules which modulate

```

CC the synthesis, expression and/or stability of Hepatitis C virus (HCV) or
 CC Hepatitis B virus (HBV) RNA. The nucleic acid molecules include antisense
 CC and enzymatic nucleic acids such as hammerhead ribozymes, DNazymes,
 CC inozymes, zinzymes, ambersymes, and G-cleaver ribozymes. Also disclosed
 CC are nucleic acid decoy molecules and aptamers that bind to HBV reverse
 CC transcriptase and/or HBV reverse transcriptase primer sequences, as well
 CC as oligonucleotides that specifically bind the Enhancer I region of HBV
 CC DNA. The nucleic acids may be used to modulate the expression of HBV
 CC genes and HBV viral replication. Also disclosed is a method for screening
 CC compounds and/or potential therapies directed against HBV, and compounds
 CC that modulate the expression and/or replication of HCV. The compounds and
 CC methods of the invention are useful for the treatment of degenerative and
 CC disease states related to HBV and HCV infection, replication and gene
 CC expression such as cirrhosis, liver failure, and hepatocellular
 CC carcinoma. The present sequence represents a substrate for one of the HBV
 CC enzymatic nucleic acid sequences disclosed in the present invention
 XX
 XX SQ Sequence 15 BP; 2 A; 5 C; 2 G; 0 T; 6 U; 0 Other;

Query Match 13.4%; Score 9.8; DB 1; Length 15;
 Best Local Similarity 38.5%; Pred. No. 1.2e+03;
 Matches 5; Conservative 6; Mismatches 2; Indels 0; Gaps 0;

QY 929 TATCCCTCCTCTT 941

DB 3 UAUGCCUUAUCU 15

RESULT 1358

ACD56425

ID ACD56425 standard; RNA; 15 BP.

XX ACD56425;

DT 24-SEP-2003 (first entry)

DE HBV enzymatic nucleic acid substrate sequence #150.

XX Nucleic acid molecule; Hepatitis C virus; HCV; Hepatitis B virus; HBV;
 KW RNA stability; RNA expression; RNA synthesis; antisense;
 KW enzymatic nucleic acid; hammerhead ribozyme; DNazyme; inozyme; zinzyme;
 KW ambersyme; G-cleaver ribozyme; decoy molecule; aptamer;
 KW HBV reverse transcriptase; Enhancer I region; viral replication;
 KW degenerative; disease state; HBV infection; HCV infection; cirrhosis;
 KW liver failure; hepatocellular carcinoma; hepatotropic; cytostatic;
 KW virucide; antiinflammatory; substrate; ss.

OS Hepatitis B virus.

XX WO200281494-A1.

PD 17-OCT-2002.

XX 26-MAR-2002; 2002WO-US009187.

XX 26-MAR-2001; 2001US-00817879.

PR 08-JUN-2001; 2001US-00877478.

PR 08-JUN-2001; 2001US-0296876P.

PR 24-OCT-2001; 2001US-0335059P.

PR 05-DEC-2001; 2001US-0337055P.

XX (RIBO-) RIBOZYME PHARM INC.

PA (BLAT/) BLATT L.

PA (MACE/) MACEJAK D.

PA (MCSW/) MCSWIGGEN J.

PA (MORR/) MORRISSEY D.

PA (PAVC/) PAVCO P.

PA (LEEP/) LEE P.

PA (DRAP/) DRAPER K.

PA (ROBE/) ROBERTS E.

XX Blatt L, Macejak D, Mcswiggen J, Morrissey D, Pavco P, Lee P;
 PI Draper K, Roberts E;

XX WPI; 2003-229207/22.

XX Novel compound useful for treating cirrhosis, liver failure,
 PT hepatocellular carcinoma, or condition associated with hepatitis C virus
 PT infection.

XX Example 1; Page 219; 387pp; English.

XX The present invention relates to nucleic acid molecules which modulate
 CC the synthesis, expression and/or stability of Hepatitis C virus (HCV) or
 CC Hepatitis B virus (HBV) RNA. The nucleic acid molecules include antisense
 CC and enzymatic nucleic acids such as hammerhead ribozymes, DNazymes,
 CC inozymes, zinzymes, ambersymes, and G-cleaver ribozymes. Also disclosed
 CC are nucleic acid decoy molecules and aptamers that bind to HBV reverse
 CC transcriptase and/or HBV reverse transcriptase primer sequences, as well
 CC as oligonucleotides that specifically bind the Enhancer I region of HBV
 CC DNA. The nucleic acids may be used to modulate the expression of HBV
 CC genes and HBV viral replication. Also disclosed is a method for screening
 CC compounds and/or potential therapies directed against HBV, and compounds
 CC that modulate the expression and/or replication of HCV. The compounds and
 CC methods of the invention are useful for the treatment of degenerative and
 CC disease states related to HBV and HCV infection, replication and gene
 CC expression such as cirrhosis, liver failure, and hepatocellular
 CC carcinoma. The present sequence represents a substrate for one of the HBV
 CC enzymatic nucleic acid sequences disclosed in the present invention
 XX

SQ Sequence 15 BP; 0 A; 6 C; 3 G; 0 T; 6 U; 0 Other;

Query Match 13.4%; Score 9.8; DB 1; Length 15;

Best Local Similarity 38.5%; Pred. No. 1.2e+03;

Matches 5; Conservative 6; Mismatches 2; Indels 0; Gaps 0;

QY 917 GTCCTTGCCCTTT 929

DB 2 GUCUGGCUUCU 14

RESULT 1359

AAD51625

ID AAD51625 standard; DNA; 15 BP.

XX AAD51625;

DT 16-APR-2003 (first entry)

DE Human CYP2E gene polymorphism detecting ASO probe #4.

XX Human; cytochrome P450 subfamily IIE; CYP2E protein; haplotyping;
 KW genotyping; gene therapy; cancer; allele-specific oligonucleotide; ASO;
 KW polymorphism; probe; ss.

OS Homo sapiens.

XX WO200290597-A1.

XX 14-NOV-2002.

XX 07-MAY-2002; 2002WO-US014540.

XX 07-MAY-2001; 2001US-0289330P.

XX (GENA-) GENAISANCE PHARM INC.

XX Anastasio AE, Chew A, Gilson CR, Koshy B, Sauster EA;

XX WPI; 2003-120563/11.

XX New genetic variants comprising haplotypes of the cytochrome P450,
 PT subfamily IIE (CYP2E) gene, useful for screening drugs for treating
 PT cancer, validating CYP2E protein as a drug target, or reducing bias in
 PT clinical trials of such drugs.

PS Claim 37; Page 15; 94pp; English.

XX The invention relates to genetic variants of human cytochrome P450, CC subfamily IIE (CYP2E) gene. The invention also relates to compositions CC and methods for haplotyping and/or genotyping the CYP2E gene in an CC individual. The polynucleotide comprising polymorphisms in the CYP2E gene CC are useful in screening candidate drugs to treat diseases related to CC CYP2E activity, e.g. cancer. The methods and haplotypes are useful in CC improving the efficiency of drug discovery and development processes, or CC for designing clinical trials of candidate drugs for treating the CC specific condition or disease. The polymorphisms and haplotypes of CYP2E CC gene are useful for validating whether CYP2E is a suitable target for CC drugs to treat cancer and disorders associated with impaired protein CC synthesis in cells, screening for drugs and reducing bias in clinical CC trials of the drugs. The invention is also useful in gene therapy. The CC present sequence is an allele-specific oligonucleotide (ASO) probe used CC to detect human CYP2E gene polymorphisms

XX

SQ Sequence 15 BP; 2 A; 5 C; 2 G; 5 T; 0 U; 1 Other;

Query Match 13.4%; Score 9.8; DB 1; Length 15;
Best Local Similarity 73.3%; Pred. No. 1.2e+03;
Matches 11; Conservative 1; Mismatches 3; Indels 0; Gaps 0;

OY 922 TGCCTTTATCCCTC 936
DB 1 TGCCTGTAAACCTC 15
|||||

RESULT 1360
ABF75857/c
ID ABF75857 standard; DNA; 13 BP.
XX ABF75857;
XX
XX 22-FEB-2002 (first entry)
XX
XX Oligonucleotide SEQ ID NO 175854 for detecting SNP TSC0043670.
XX
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
XX Homo sapiens.
XX
XX WO200177384-A2.
XX
XX 18-OCT-2001.
XX
XX 06-APR-2001; 2001WO-IB000713.
XX
XX 07-APR-2000; 2000DE-01019173.
XX
XX (EPIG-) EPIGENOMICS AG.
XX
XX Olek A, Piepenbrock C, Berlin K;
XX
XX WPI; 2001-657177/75.
XX
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
XX Claim 1; SEQ ID NO 175854; 29pp + Sequence Listing; German.

XX This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
XX Sequence 13 BP; 4 A; 0 C; 3 G; 5 T; 0 U; 1 Other;

Query Match 13.2%; Score 9.6; DB 1; Length 13;
Best Local Similarity 90.0%; Pred. No. 1.2e+03;
Matches 9; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

OY 949 TTAATGATATC 958
DB 10 TTAATGATATC 1
|||||

RESULT 1361
ABF75856
ID ABF75856 standard; DNA; 13 BP.
XX ABF75856;
XX
XX 22-FEB-2002 (first entry)
XX
XX Oligonucleotide SEQ ID NO 175853 for detecting SNP TSC0043670.
XX
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
XX Homo sapiens.
XX
XX WO200177384-A2.
XX
XX 18-OCT-2001.
XX
XX 06-APR-2001; 2001WO-IB000713.
XX
XX 07-APR-2000; 2000DE-01019173.
XX
XX (EPIG-) EPIGENOMICS AG.
XX
XX Olek A, Piepenbrock C, Berlin K;
XX
XX WPI; 2001-657177/75.
XX
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
XX Claim 1; SEQ ID NO 175853; 29pp + Sequence Listing; German.

XX This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
XX Sequence 13 BP; 4 A; 0 C; 3 G; 5 T; 0 U; 1 Other;

Query Match 13.2%; Score 9.6; DB 1; Length 13;
Best Local Similarity 90.0%; Pred. No. 1.2e+03;
Matches 9; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

OY 949 TTAATGATATC 958
DB 10 TTAATGATATC 1
|||||

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Db          4 TTAATGTATY 13
RESULT 1362
ABC23499/c
ID ABC23499 standard; DNA; 13 BP.
XX
XX AC ABC23499;
XX
XX 20-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 23516 for detecting SNP TSC0005018.
XX
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
XX Homo sapiens.
XX
XX WO200177384-A2.
XX
XX 18-OCT-2001.
XX
XX 06-APR-2001; 2001WO-IB000713.
XX
XX 07-APR-2000; 2000DE-01019173.
XX
XX (EPIG-) EPIGENOMICS AG.
XX
XX Olek A, Piepenbrock C, Berlin K;
XX
XX WPI; 2001-657177/75.
XX
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
XX designed to detect single-nucleotide polymorphisms and cytosine
XX methylation status.
XX
XX Claim 1; SEQ ID NO 23516; 29pp + Sequence Listing; German.
XX
XX This invention describes novel oligonucleotide primers or peptide nucleic
XX acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
XX and cytosine methylation status in chemically pretreated genomic DNA. The
XX oligonucleotides are used for diagnosis and/or prognosis of cancer and a
XX range of diseases including immune system, gastrointestinal, respiratory,
XX central nervous system, cardiovascular and metabolic disorders. The
XX oligomers are also used for detecting cell type differentiation. ABC00010
XX -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
XX represent the oligomers described in the invention. NOTE: The sequence
XX data for this patent did not form part of the printed specification, but
XX was obtained in electronic format from WIPO at
XX ftp.wipo.int/pub/published_pct_sequences
XX
XX Sequence 13 BP; 7 A; 2 C; 0 G; 3 T; 0 U; 1 Other;
XX
XX Query Match 13.2%; Score 9.6; DB 1; Length 13;
XX Best Local Similarity 90.0%; Pred. No. 1.2e+03;
XX Matches 9; Conservative 1; Mismatches 0; Indels 0; Gaps 0;
XX
QY 949 TTAATGTATC 958
| | | | |
| | | | |
Db 10 TTAATGTATY 1
| | | | |
| | | | |
RESULT 1363
ABF82143/c
ID ABF82143 standard; DNA; 13 BP.
XX
XX AC ABF82143;
XX
XX 22-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 182140 for detecting SNP TSC0045025.
XX
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
XX Homo sapiens.
XX
XX WO200177384-A2.
XX
XX 18-OCT-2001.
XX
XX 06-APR-2001; 2001WO-IB000713.
XX
XX 07-APR-2000; 2000DE-01019173.
XX
XX

```

```

KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
XX Homo sapiens.
XX
XX WO200177384-A2.
XX
XX 18-OCT-2001.
XX
XX 06-APR-2001; 2001WO-IB000713.
XX
XX 07-APR-2000; 2000DE-01019173.
XX
XX (EPIG-) EPIGENOMICS AG.
XX
XX Olek A, Piepenbrock C, Berlin K;
XX
XX WPI; 2001-657177/75.
XX
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
XX designed to detect single-nucleotide polymorphisms and cytosine
XX methylation status.
XX
XX Claim 1; SEQ ID NO 182140; 29pp + Sequence Listing; German.
XX
XX This invention describes novel oligonucleotide primers or peptide nucleic
XX acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
XX and cytosine methylation status in chemically pretreated genomic DNA. The
XX oligonucleotides are used for diagnosis and/or prognosis of cancer and a
XX range of diseases including immune system, gastrointestinal, respiratory,
XX central nervous system, cardiovascular and metabolic disorders. The
XX oligomers are also used for detecting cell type differentiation. ABC00010
XX -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
XX represent the oligomers described in the invention. NOTE: The sequence
XX data for this patent did not form part of the printed specification, but
XX was obtained in electronic format from WIPO at
XX ftp.wipo.int/pub/published_pct_sequences
XX
XX Sequence 13 BP; 6 A; 1 C; 0 G; 5 T; 0 U; 1 Other;
XX
XX Query Match 13.2%; Score 9.6; DB 1; Length 13;
XX Best Local Similarity 90.0%; Pred. No. 1.2e+03;
XX Matches 9; Conservative 1; Mismatches 0; Indels 0; Gaps 0;
XX
QY 948 TTTAATGTAT 957
| | | | |
| | | | |
Db 10 TTTAATGTAT 1
| | | | |
| | | | |
RESULT 1364
ABF82142
ID ABF82142 standard; DNA; 13 BP.
XX
XX AC ABF82142;
XX
XX 22-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 182139 for detecting SNP TSC0045025.
XX
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
XX Homo sapiens.
XX
XX WO200177384-A2.
XX
XX 18-OCT-2001.
XX
XX 06-APR-2001; 2001WO-IB000713.
XX
XX 07-APR-2000; 2000DE-01019173.
XX

```

XX (EPIG-) EPIGENOMICS AG.
 XX Olek A, Piepenbrock C, Berlin K;
 XX WPI; 2001-657177/75.
 XX Set of oligonucleotides, useful for diagnosis and cell typing, is
 PT designed to detect single-nucleotide polymorphisms and cytosine
 PT methylation status.
 XX Claim 1; SEQ ID NO 182139; 29pp + Sequence Listing; German.
 XX This invention describes novel oligonucleotide primers or peptide nucleic
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
 CC and cytosine methylation status in chemically pretreated genomic DNA. The
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
 CC range of diseases including immune system, gastrointestinal, respiratory,
 CC central nervous system, cardiovascular and metabolic disorders. The
 CC oligomers are also used for detecting cell type differentiation. ABC00010
 CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
 CC represent the oligomers described in the invention. NOTE: The sequence
 CC data for this patent did not form part of the printed specification, but
 CC was obtained in electronic format from WIPO at
 CC ftp.wipo.int/pub/published_pct_sequences
 XX
 XX Sequence 13 BP; 5 A; 0 C; 1 G; 6 T; 0 U; 1 Other;
 Query Match 13.2%; Score 9.6; DB 1; Length 13;
 Best Local Similarity 90.0%; Pred No. 1.2e+03;
 Matches 9; Conservative 1; Mismatches 0; Indels 0; Gaps 0;
 QY 948 TTAATGTAT 957
 DB 4 TTAATGTAT 13
 RESULT 1365
 ABF70276
 ID ABF70276 standard; DNA; 13 BP.
 XX
 XX AC ABF70276;
 XX
 XX 22-FEB-2002 (first entry)
 XX Oligonucleotide SEQ ID NO 170273 for detecting SNP TSC0008613.
 XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
 XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
 XX central nervous system; gastrointestinal; respiratory; immune; metabolic.
 XX
 XX OS Homo sapiens.
 XX
 XX WO200177384-A2.
 XX
 XX 18-OCT-2001.
 XX
 XX 06-APR-2001; 2001WO-IB000713.
 XX
 XX 07-APR-2000; 2000DE-01019173.
 XX (EPIG-) EPIGENOMICS AG.
 XX Olek A, Piepenbrock C, Berlin K;
 XX WPI; 2001-657177/75.
 XX Set of oligonucleotides, useful for diagnosis and cell typing, is
 PT designed to detect single-nucleotide polymorphisms and cytosine
 PT methylation status.
 XX Claim 1; SEQ ID NO 170273; 29pp + Sequence Listing; German.

CC This invention describes novel oligonucleotide primers or peptide nucleic
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
 CC and cytosine methylation status in chemically pretreated genomic DNA. The
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
 CC range of diseases including immune system, gastrointestinal, respiratory,
 CC central nervous system, cardiovascular and metabolic disorders. The
 CC oligomers are also used for detecting cell type differentiation. ABC00010
 CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
 CC represent the oligomers described in the invention. NOTE: The sequence
 CC data for this patent did not form part of the printed specification, but
 CC was obtained in electronic format from WIPO at
 CC ftp.wipo.int/pub/published_pct_sequences
 XX
 XX Sequence 13 BP; 5 A; 0 C; 2 G; 5 T; 0 U; 1 Other;
 Query Match 13.2%; Score 9.6; DB 1; Length 13;
 Best Local Similarity 90.0%; Pred No. 1.2e+03;
 Matches 9; Conservative 1; Mismatches 0; Indels 0; Gaps 0;
 QY 949 TTAATGTATC 958
 DB 4 TTAATGTATC 13
 RESULT 1366
 ABC23498
 ID ABC23498 standard; DNA; 13 BP.
 XX
 XX AC ABC23498;
 XX
 XX 20-FEB-2002 (first entry)
 XX Oligonucleotide SEQ ID NO 23515 for detecting SNP TSC0005018.
 XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
 XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
 XX central nervous system; gastrointestinal; respiratory; immune; metabolic.
 XX
 XX OS Homo sapiens.
 XX
 XX WO200177384-A2.
 XX
 XX 18-OCT-2001.
 XX
 XX 06-APR-2001; 2001WO-IB000713.
 XX
 XX 07-APR-2000; 2000DE-01019173.
 XX (EPIG-) EPIGENOMICS AG.
 XX Olek A, Piepenbrock C, Berlin K;
 XX WPI; 2001-657177/75.
 XX Set of oligonucleotides, useful for diagnosis and cell typing, is
 PT designed to detect single-nucleotide polymorphisms and cytosine
 PT methylation status.
 XX Claim 1; SEQ ID NO 23515; 29pp + Sequence Listing; German.
 XX This invention describes novel oligonucleotide primers or peptide nucleic
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
 CC and cytosine methylation status in chemically pretreated genomic DNA. The
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
 CC range of diseases including immune system, gastrointestinal, respiratory,
 CC central nervous system, cardiovascular and metabolic disorders. The
 CC oligomers are also used for detecting cell type differentiation. ABC00010
 CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
 CC represent the oligomers described in the invention. NOTE: The sequence
 CC data for this patent did not form part of the printed specification, but
 CC was obtained in electronic format from WIPO at
 CC ftp.wipo.int/pub/published_pct_sequences
 XX

100

DE Murine MRL SAGE tag 1568982.
 XX Wound healing; non-MRL healer mouse; quantitative trait locus; QTL;
 KW healing response; microsatellite marker; treatment; central nerve;
 KW peripheral nerve; nerve injury; SAGE tag; murine; ss.
 OS Mus sp.
 XX
 XX WO9941364-A2.
 PN 19-AUG-1999.
 PD 12-FEB-1999; 99WO-US002962.
 PF 13-FEB-1998; 98US-0074737P.
 PR 26-AUG-1998; 98US-0097937P.
 PR 28-SEP-1998; 98US-0102051P.
 XX (WIST-) WISTAR INST.
 PA Heber-Katz E;
 PI WPI; 1999-494533/41.
 XX New mammalian model for enhanced wound healing - useful for identifying
 PT enhanced wound healing genes.
 PT Claim 13; Page 73; 136pp; English.
 PS
 XX This invention describes a novel non-MRL healer mouse (M) having at least
 CC one quantitative trait locus selected from those given in the
 CC specification, exhibiting an enhanced healing response to a wound
 CC compared to mice (m) without the locus. The invention describes a novel
 CC method of identifying a gene involved in enhanced wound healing by
 CC identifying DNA microsatellite markers which can distinguish healer mice
 CC from non-healer mice and identifying microsatellite markers which
 CC segregate with enhanced wound healing in progeny of the mice, where a
 CC chromosomal locus containing at least one enhanced wound healing gene is
 CC identified. A method of treating a wound in a mammal is also disclosed.
 CC The new methods are useful for treating wounds, especially central and
 CC peripheral nerve wound. The methods of the invention are useful for
 CC restoring function after nerve injury in a mammal. (M) is useful as a
 CC mammalian model of enhanced wound healing, useful for identifying genes
 CC and gene products involved in enhanced wound healing, and to provide
 CC methods for wound healing. AA218691-Z19036 represent murine SAGE tags
 CC from C57BL/6 and MRL mice which are used to illustrate the method of the
 CC invention
 XX
 XX Sequence 11 BP; 2 A; 5 C; 0 G; 4 T; 0 U; 0 Other;
 SQ
 Query Match 12.9%; Score 9.4; DB 1; Length 11;
 Best Local Similarity 90.9%; Pred. No. 1.2e+03;
 Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
 QY 924 CCTTTTATCCC 934
 DB 1 CCTTTTATCCC 11
 RESULT 1370
 AA232222
 ID AA232222 standard; DNA; 11 BP.
 XX
 AC AA232222;
 XX
 DT 13-JAN-2000 (first entry)
 XX
 DE Repetitive sequence DNA oligonucleotide target site.
 XX Chinese hamster; Sp5; mutant; site specific genetic recombination;
 KW repeat; ss.
 XX Synthetic.
 OS

XX WO9953048-A1.
 XX 21-OCT-1999.
 XX 08-APR-1999; 99WO-SE000573.
 XX 08-APR-1998; 98SE-00001245.
 XX (GENO-) GENOTOX TESTING & CONSULTING HB.
 XX Jensen D, Helleday T;
 XX WPI; 1999-620423/53.
 XX New polynucleotides isolated from the hamster Sp5 clone.
 XX Claim 3; Page 14; 23pp; English.
 XX The present invention describes a polynucleotide (I) of 956 base pairs
 CC (bp), given in the specification. The polynucleotide, especially the 5'-
 CC TCTTT T TCTTT-3' sequence (II), is useful for site specific
 CC recombination, and introducing and removing desired genes into mammalian
 CC cells. (II) is also useful for transgenic work and as a recombination
 CC target site. The polynucleotide sequence is recognised by endogenously
 CC expressed mammalian protein(s) that initiate a novel type of site-
 CC specific recombination in mammalian cells. (I) represents a DNA fragment
 CC from a hamster Sp5 clone
 XX
 XX Sequence 11 BP; 0 A; 2 C; 0 G; 9 T; 0 U; 0 Other;
 SQ
 Query Match 12.9%; Score 9.4; DB 1; Length 11;
 Best Local Similarity 90.9%; Pred. No. 1.2e+03;
 Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
 QY 905 TCATTTTCTTT 915
 DB 1 TCTTTTCTTT 11
 RESULT 1371
 AA214920
 ID AA214920 standard; DNA; 11 BP.
 XX
 AC AA214920;
 XX
 DT 24-MAR-1999 (first entry)
 XX
 DE Triple helix forming nucleotides 997-1007 of 23S rRNA gene.
 XX
 KW Triple-helix forming region; Triplex formation; DNA detection;
 KW identification; bacteria; oncogene; virus; ds.
 XX
 OS Corynebacterium renale.
 XX
 PN US5861244-A.
 XX 19-JAN-1999.
 XX
 XX 22-DEC-1993; 93US-00173483.
 XX 29-OCT-1992; 92US-00968436.
 XX (PROF-) PROFILE DIAGNOSTIC SCI INC.
 XX Hepburn AG, Wang C;
 XX WPI; 1999-130384/11.
 XX Assay of genetic sequences based on triplex formation from double
 PT stranded analyte - and hybrid of anchor and reporter sequences, with
 PT reporter released if triplex formation occurs, used e.g. to identify
 PT bacteria.

XX FS Disclosure; Col 23-24; 168pp; English.

XX CC The present sequence represents a potential triple-helix forming region.

XX CC It can be used to demonstrate the assay of the invention. The assay

XX CC comprises adding a sample containing double-stranded DNA test sequences,

XX CC e.g. containing the present sequence, to an aqueous medium containing at

XX CC least one complex of anchor DNA, attached to a solid support, and

XX CC reporter DNA, where either a part of the anchor DNA or reporter DNA is

XX CC designed to form a triple-strand structure with part of the test

XX CC sequence. Triplex formation results in displacement of the reporter DNA

XX CC which is detected as an indication of the presence of the DNA test

XX CC sequence. The method is used to detect DNA sequences, particularly for

XX CC identification of bacteria (by detecting genes for ribosomal RNA) in

XX CC clinical samples, but also detection of oncogenes and Hepatitis B virus

XX SQ Sequence 11 BP; 0 A; 4 C; 0 G; 7 T; 0 U; 0 Other;

XX Query Match 12.9%; Score 9.4; DB 1; Length 11;

XX Best Local Similarity 90.9%; Pred. No. 1.2e+03;

XX Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 918 TCTTTGCTTT 928

Db 1 TCTTTGCTTT 11

RESULT 1372

AAF56202/c

ID AAF56202 standard; DNA; 11 BP.

XX AC AAF56202;

XX DT 12-APR-2001 (first entry)

XX DE DNA binding protein recognition sequence #2.

XX KW DNA-binding; RNA polymerase; transcription; ss.

XX OS Unidentified.

XX WO200100817-A1.

XX 04-JAN-2001.

XX 22-JUN-2000; 2000WO-IB000897.

XX 24-JUN-1999; 99US-00344300.

XX (DNAB-) DNAB DIAGNOSTICS INC.

XX Morgan AR, Severini A;

XX WPI; 2001-112451/12.

XX Novel recombinant plasmid useful for determining the activity of DNA

XX binding protein, and for detecting the activity of RNA polymerases in

XX initiating transcription.

XX Disclosure; Page 20-24; 98pp; English.

XX The present invention relates to a recombinant plasmid comprising a

XX region with a nucleotide sequence capable of specifically binding to a

XX sequence-specific DNA-binding molecule, a region with a nucleotide

XX sequence capable of binding to a restriction enzyme and a restriction

XX site for a restriction enzyme. The invention is useful for detecting the

XX presence of initiation of transcription activity by RNA polymerase and

XX for detecting the presence of sequence-specific DNA binding molecules

XX SQ Sequence 11 BP; 5 A; 0 C; 4 G; 2 T; 0 U; 0 Other;

XX Query Match 12.9%; Score 9.4; DB 1; Length 11;

XX Best Local Similarity 90.9%; Pred. No. 1.2e+03;

XX Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 924 CCTTTTATCCC 934

Db 11 CCTTTTATACC 1

RESULT 1373

AAF75228

ID AAF75228 standard; DNA; 11 BP.

XX AC AAF75228;

XX DT 09-MAY-2001 (first entry)

XX DE Human RXR binding element, SEQ ID NO: 28.

XX KW Human; peroxisome proliferator-activator receptor delta; PPARdelta; RXR;

XX KW cytosolic; nontropic; neuroprotective; anti-HIV; cardiant;

XX KW cerebroprotective; vasotropic; antiulcer; immunosuppressive;

XX KW nephrotropic; antibacterial; antiviral; antifungal; protozoacide;

XX KW non-steroidal anti-inflammatory disease; NSAID; infection;

XX KW Alzheimer's disease; AIDS; muscle wasting disease; autoimmune disease;

XX KW binding element; ds.

XX OS Homo sapiens.

XX WO200112858-A1.

XX 22-FEB-2001.

XX 16-AUG-2000; 2000WO-US022411.

XX 16-AUG-1999; 99US-0148701P.

XX 15-AUG-2000; 2000US-00636623.

XX (UYJO) UNIV JOHNS HOPKINS.

XX He T, Kinzler KW, Vogelstein B;

XX WPI; 2001-211336/21.

XX Novel subgenomic polynucleotide having peroxisome proliferator-activator

XX receptor proliferator (PPAR-delta) and RXR binding elements used to

XX identify downregulators of PPAR-delta transcriptional activity.

XX Claim 1; Fig 3A; 70pp; English.

XX The present sequence is provided in a specification relating to an

XX isolated subgenomic polynucleotide comprising a peroxisome proliferator-

XX activator receptor (PPAR)delta binding element and an RXR binding

XX element. The polynucleotide is useful for identifying potential

XX therapeutic agents for cancer treatment and for ameliorating negative

XX side effects of non-steroidal anti-inflammatory diseases (NSAIDs). Test

XX compounds which increase transcription of PPARdelta protein, PPARdelta

XX protein binding to a PPARdelta binding element, or expression of a

XX reporter gene which is under the control of a PPARdelta binding element,

XX are identified. These are candidates for use in encouraging cell

XX proliferation or preventing cell apoptosis in a disease state such as

XX Alzheimer's disease, AIDS, muscular dystrophy, amyotrophic lateral

XX sclerosis, or other muscle wasting diseases, autoimmune diseases, heart

XX attack, stroke, ischaemic heart disease, kidney failure, septic shock, or

XX a disease in which the cell is infected with a pathogen, such as a virus,

XX bacterium, fungus, mycoplasma, or protozoan, to promote healing of the

XX stomach or intestines, or to ameliorate negative side effects of NSAIDs,

XX such as gastric and intestinal ulceration

XX SQ Sequence 11 BP; 2 A; 3 C; 2 G; 4 T; 0 U; 0 Other;

XX Query Match 12.9%; Score 9.4; DB 1; Length 11;

XX Best Local Similarity 90.9%; Pred. No. 1.2e+03;

XX Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

```
QY 900 CCTGGTCAATT 910
Db 1 CCTGGTCAATT 11

RESULT 1374
ABQ86319
ID ABQ86319 standard; cDNA; 11 BP.
XX
AC ABQ86319;
XX
DT 10-SEP-2002 (first entry)
XX
DE Human skin stress/ageing related EST SEQ ID NO 74.
XX
KW Human; skin ageing; skin stress; EST; expressed sequence tag; ss.
XX
OS Homo sapiens.
XX
PN WO200253773-A2.
XX
PD 11-JUL-2002.
XX
PF 20-DEC-2001; 2001WO-EP015178.
XX
PR 03-JAN-2001; 2001DE-01000121.
XX
PA (HENK ) HENKEL KGAA.
XX
PI Petersohn D, Conradt M, Hofmann K;
XX
PS Claim 8; Page 40; 325pp; German.
XX
CC The invention relates to identifying (M1) genes in vitro that, in humans
CC or animals, are important for skin ageing and/or skin stress by serial
CC analysis of gene expression between mixtures of transcribed and
CC optionally translated, genetically encoded factors (A) obtained from
CC young and aged skin, to identify that genes that show strong differential
CC expression. (A) comprises protein or mRNAs or their fragments. (M1) is
CC useful for: identifying markers of skin ageing and/or stress; determining
CC skin ageing and/or stress; and identifying or determining the effects of
CC pharmaceutical or cosmetic agents for control of skin ageing. The present
CC sequence is one of a group of human skin ageing/stress related expressed
CC sequence tags (ABQ86246-ABQ87680) of the invention
XX
XX Sequence 11 BP; 1 A; 5 C; 1 G; 4 T; 0 U; 0 Other;
PS
XX Claim 8; Page 40; 325pp; German.
XX
CC The invention relates to identifying (M1) genes in vitro that, in humans
CC or animals, are important for skin ageing and/or skin stress by serial
CC analysis of gene expression between mixtures of transcribed and
CC optionally translated, genetically encoded factors (A) obtained from
CC young and aged skin, to identify that genes that show strong differential
CC expression. (A) comprises protein or mRNAs or their fragments. (M1) is
CC useful for: identifying markers of skin ageing and/or stress; determining
CC skin ageing and/or stress; and identifying or determining the effects of
CC pharmaceutical or cosmetic agents for control of skin ageing. The present
CC sequence is one of a group of human skin ageing/stress related expressed
CC sequence tags (ABQ86246-ABQ87680) of the invention
XX
XX Sequence 11 BP; 1 A; 5 C; 1 G; 4 T; 0 U; 0 Other;
PS
XX Query Match 12.9%; Score 9.4; DB 1; Length 11;
XX Best Local Similarity 90.9%; Pred. No. 1.2e+03;
XX Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
QY 924 CCTTTTATCCC 934
Db 1 CCTGTATCCC 11

RESULT 1375
ABQ87327
ID ABQ87327 standard; cDNA; 11 BP.
XX
AC ABQ87327;
XX
DT 10-SEP-2002 (first entry)
XX
DE Human skin stress/ageing related EST SEQ ID NO 1082.
XX
KW Human; skin ageing; skin stress; EST; expressed sequence tag; ss.
XX
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XX
OS Homo sapiens.
XX
PN WO200253773-A2.
XX
PD 11-JUL-2002.
XX
PF 20-DEC-2001; 2001WO-EP015178.
XX
PR 03-JAN-2001; 2001DE-01000121.
XX
PA (HENK ) HENKEL KGAA.
XX
PI Petersohn D, Conradt M, Hofmann K;
XX
PS WPI; 2002-528865/56.
XX
CC Identifying genes involved in skin stress and aging, useful e.g. in
CC screening for cosmetic or therapeutic agents, based on differential gene
CC expression.
XX
XX Claim 8; Page 82; 325pp; German.
XX
CC The invention relates to identifying (M1) genes in vitro that, in humans
CC or animals, are important for skin ageing and/or skin stress by serial
CC analysis of gene expression between mixtures of transcribed and
CC optionally translated, genetically encoded factors (A) obtained from
CC young and aged skin, to identify that genes that show strong differential
CC expression. (A) comprises protein or mRNAs or their fragments. (M1) is
CC useful for: identifying markers of skin ageing and/or stress; determining
CC skin ageing and/or stress; and identifying or determining the effects of
CC pharmaceutical or cosmetic agents for control of skin ageing. The present
CC sequence is one of a group of human skin ageing/stress related expressed
CC sequence tags (ABQ86246-ABQ87680) of the invention
XX
XX Sequence 11 BP; 0 A; 3 C; 1 G; 7 T; 0 U; 0 Other;
PS
XX Query Match 12.9%; Score 9.4; DB 1; Length 11;
XX Best Local Similarity 90.9%; Pred. No. 1.2e+03;
XX Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
QY 911 TCTTTGCTCTT 921
Db 1 TCTTTGCTCTT 11

RESULT 1376
ABQ86887
ID ABQ86887 standard; cDNA; 11 BP.
XX
AC ABQ86887;
XX
XX 10-SEP-2002 (first entry)
XX
DE Human skin stress/ageing related EST SEQ ID NO 642.
XX
KW Human; skin ageing; skin stress; EST; expressed sequence tag; ss.
XX
OS Homo sapiens.
XX
PN WO200253773-A2.
XX
PD 11-JUL-2002.
XX
PF 20-DEC-2001; 2001WO-EP015178.
XX
PR 03-JAN-2001; 2001DE-01000121.
XX
PA (HENK ) HENKEL KGAA.
XX
PI Petersohn D, Conradt M, Hofmann K;
XX
PS WPI; 2002-528865/56.
XX
```

XX Identifying genes involved in skin stress and aging, useful e.g. in
PT screening for cosmetic or therapeutic agents, based on differential gene
PT expression.
XX
PS Claim 8; Page 63; 325pp; German.
XX
CC The invention relates to identifying (M1) genes in vitro that, in humans
CC or animals, are important for skin ageing and/or skin stress by serial
CC analysis of gene expression between mixtures of transcribed and
CC optionally translated, genetically encoded factors (A) obtained from
CC young and aged skin, to identify that genes that show strong differential
CC expression. (A) comprises protein or mRNAs or their fragments. (M1) is
CC useful for: identifying markers of skin ageing and/or stress; determining
CC skin ageing and/or stress; and identifying or determining the effects of
CC pharmaceutical or cosmetic agents for control of skin ageing. The present
CC sequence is one of a group of human skin ageing/stress related expressed
CC sequence tags (ABQ86246-ABQ87680) of the invention
XX
SQ Sequence 11 BP; 0 A; 0 C; 4 G; 7 T; 0 U; 0 Other;

Query Match 12.9%; Score 9.4; DB 1; Length 11;
Best Local Similarity 90.9%; Pred. No. 1.2e+03;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 913 TTGGTCTTTG 923
Db 1 TTGGTCTTTG 11

RESULT 1377
ABQ87291/c
ID ABQ87291 standard; cDNA; 11 BP.
XX
AC ABQ87291;
XX
DT 10-SEP-2002 (first entry)
XX
DE Human skin stress/ageing related EST SEQ ID NO 1046.
XX
KW Human; skin ageing; skin stress; EST; expressed sequence tag; ss.
XX
OS Homo sapiens.
XX
PN WO200253773-A2.
XX
PD 11-JUL-2002.
XX
PF 20-DEC-2001; 2001WO-EP015178.
XX
PR 03-JAN-2001; 2001DE-01000121.
XX
PA (HENK) HENKEL KGAA.
XX
PI Petersohn D, Conradt M, Hofmann K;
XX
DR WPI; 2002-528865/56.
XX
PT Identifying genes involved in skin stress and aging, useful e.g. in
PT screening for cosmetic or therapeutic agents, based on differential gene
PT expression.
XX
PS Claim 8; Page 81; 325pp; German.
XX
CC The invention relates to identifying (M1) genes in vitro that, in humans
CC or animals, are important for skin ageing and/or skin stress by serial
CC analysis of gene expression between mixtures of transcribed and
CC optionally translated, genetically encoded factors (A) obtained from
CC young and aged skin, to identify that genes that show strong differential
CC expression. (A) comprises protein or mRNAs or their fragments. (M1) is
CC useful for: identifying markers of skin ageing and/or stress; determining
CC skin ageing and/or stress; and identifying or determining the effects of
CC pharmaceutical or cosmetic agents for control of skin ageing. The present

CC sequence is one of a group of human skin ageing/stress related expressed
CC sequence tags (ABQ86246-ABQ87680) of the invention
XX
SQ Sequence 11 BP; 7 A; 1 C; 1 G; 2 T; 0 U; 0 Other;

Query Match 12.9%; Score 9.4; DB 1; Length 11;
Best Local Similarity 90.9%; Pred. No. 1.2e+03;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 906 CATTTCCTTTG 916
Db 11 CATTTCCTTTG 1

RESULT 1378
ABQ87035/c
ID ABQ87035 standard; cDNA; 11 BP.
XX
AC ABQ87035;
XX
DT 10-SEP-2002 (first entry)
XX
DE Human skin stress/ageing related EST SEQ ID NO 790.
XX
KW Human; skin ageing; skin stress; EST; expressed sequence tag; ss.
XX
OS Homo sapiens.
XX
PN WO200253773-A2.
XX
PD 11-JUL-2002.
XX
PF 20-DEC-2001; 2001WO-EP015178.
XX
PR 03-JAN-2001; 2001DE-01000121.
XX
PA (HENK) HENKEL KGAA.
XX
PI Petersohn D, Conradt M, Hofmann K;
XX
DR WPI; 2002-528865/56.
XX
PT Identifying genes involved in skin stress and aging, useful e.g. in
PT screening for cosmetic or therapeutic agents, based on differential gene
PT expression.
XX
PS Claim 8; Page 70; 325pp; German.
XX
CC The invention relates to identifying (M1) genes in vitro that, in humans
CC or animals, are important for skin ageing and/or skin stress by serial
CC analysis of gene expression between mixtures of transcribed and
CC optionally translated, genetically encoded factors (A) obtained from
CC young and aged skin, to identify that genes that show strong differential
CC expression. (A) comprises protein or mRNAs or their fragments. (M1) is
CC useful for: identifying markers of skin ageing and/or stress; determining
CC skin ageing and/or stress; and identifying or determining the effects of
CC pharmaceutical or cosmetic agents for control of skin ageing. The present
CC sequence is one of a group of human skin ageing/stress related expressed
CC sequence tags (ABQ86246-ABQ87680) of the invention
XX
SQ Sequence 11 BP; 8 A; 1 C; 1 G; 1 T; 0 U; 0 Other;

Query Match 12.9%; Score 9.4; DB 1; Length 11;
Best Local Similarity 90.9%; Pred. No. 1.2e+03;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 920 TTTCCTTTTA 930
Db 11 TTTCCTTTTA 1

RESULT 1379
ABV65020/c

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ID ABV65020 standard; cDNA; 11 BP.
AC ABV65020;
XX
XX 21-OCT-2002 (first entry)
XX
XX Human skin EST 2806.
XX
XX Human; skin; dermatological; vulnery; antipsoriatic; antiseborrhaeic;
XX immunosuppressive; antiinflammatory; cytostatic; SAGE; neurodermatitis;
XX psoriasis; dermatitis; skin cancer; EST; expressed sequence tag; ss.
XX
XX Homo sapiens.
XX
XX WO200253774-A2.
XX
XX 11-JUL-2002.
XX
XX 20-DEC-2001; 2001WO-EP015179.
XX
XX Human skin EST 2806.
XX
XX Human; skin; dermatological; vulnery; antipsoriatic; antiseborrhaeic;
XX immunosuppressive; antiinflammatory; cytostatic; SAGE; neurodermatitis;
XX psoriasis; dermatitis; skin cancer; EST; expressed sequence tag; ss.
XX
XX Homo sapiens.
XX
XX WO200253774-A2.
XX
XX 11-JUL-2002.
XX
XX 20-DEC-2001; 2001WO-EP015179.
XX
XX 03-JAN-2001; 2001DE-01000127.
XX
XX (HENK ) HENKEL KGAA.
XX
XX Petersohn D, Conradt M, Hofmann K;
XX
XX WPI; 2002-590638/63.
XX
XX In vitro identification of skin-expressed genes, useful for determining
XX homeostasis and identifying cosmetic or pharmaceutical agents against
XX e.g. skin cancer.
XX
XX Disclosure; Page 103; 1345pp; German.
XX
XX The invention relates to in vitro identification (M1) of genes expressed
XX in the skin of humans or animals by subjecting a mixture of genetically
XX encoded factors from skin, to serial analysis of gene expression (SAGE)
XX so as to identify skin-expressed genes and quantify their expression.
XX (M1) is useful for identifying genes involved in skin homeostasis; to
XX determine skin homeostasis and to test agent (A) that maintains or
XX promotes skin homeostasis or that can be used for treating skin
XX disorders, specifically neurodermatitis; sunburn; psoriasis; scleroderma;
XX ichthyosis; atopic dermatitis; acne; seborrhea; lupus erythematosus;
XX rosacea; melanoma; basal cell carcinoma; and carcinoma or sarcoma of the
XX skin. The present sequence is that of a human expressed sequence tag
XX (EST) of the invention
XX
XX Sequence 103; 1345pp; German.
XX
XX The invention relates to in vitro identification (M1) of genes expressed
XX in the skin of humans or animals by subjecting a mixture of genetically
XX encoded factors from skin, to serial analysis of gene expression (SAGE)
XX so as to identify skin-expressed genes and quantify their expression.
XX (M1) is useful for identifying genes involved in skin homeostasis; to
XX determine skin homeostasis and to test agent (A) that maintains or
XX promotes skin homeostasis or that can be used for treating skin
XX disorders, specifically neurodermatitis; sunburn; psoriasis; scleroderma;
XX ichthyosis; atopic dermatitis; acne; seborrhea; lupus erythematosus;
XX rosacea; melanoma; basal cell carcinoma; and carcinoma or sarcoma of the
XX skin. The present sequence is that of a human expressed sequence tag
XX (EST) of the invention
XX
XX Sequence 11 BP; 6 A; 2 C; 2 G; 1 T; 0 U; 0 Other;
XX
XX Query Match 12.9%; Score 9.4; DB 1; Length 11;
XX Best Local Similarity 90.9%; Pred No. 1.2e+03;
XX Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
XX
XX QY 910 TTCATTGGTCT 920
XX ||| |||||
XX Db 11 TTCATTGGTCT 1
XX
XX RESULT 1380
XX ABV66616/c
XX ID ABV66616 standard; cDNA; 11 BP.
XX
XX AC ABV66616;
XX
XX 21-OCT-2002 (first entry)
XX
XX Human skin EST 4402.
XX
XX Human; skin; dermatological; vulnery; antipsoriatic; antiseborrhaeic;
XX immunosuppressive; antiinflammatory; cytostatic; SAGE; neurodermatitis;
XX psoriasis; dermatitis; skin cancer; EST; expressed sequence tag; ss.
XX
XX Homo sapiens.
XX

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XX
XX WO200253774-A2.
XX
XX 11-JUL-2002.
XX
XX 20-DEC-2001; 2001WO-EP015179.
XX
XX 03-JAN-2001; 2001DE-01000127.
XX
XX (HENK ) HENKEL KGAA.
XX
XX Petersohn D, Conradt M, Hofmann K;
XX
XX WPI; 2002-590638/63.
XX
XX In vitro identification of skin-expressed genes, useful for determining
XX homeostasis and identifying cosmetic or pharmaceutical agents against
XX e.g. skin cancer.
XX
XX Disclosure; Page 146; 1345pp; German.
XX
XX The invention relates to in vitro identification (M1) of genes expressed
XX in the skin of humans or animals by subjecting a mixture of genetically
XX encoded factors from skin, to serial analysis of gene expression (SAGE)
XX so as to identify skin-expressed genes and quantify their expression.
XX (M1) is useful for identifying genes involved in skin homeostasis; to
XX determine skin homeostasis and to test agent (A) that maintains or
XX promotes skin homeostasis or that can be used for treating skin
XX disorders, specifically neurodermatitis; sunburn; psoriasis; scleroderma;
XX ichthyosis; atopic dermatitis; acne; seborrhea; lupus erythematosus;
XX rosacea; melanoma; basal cell carcinoma; and carcinoma or sarcoma of the
XX skin. The present sequence is that of a human expressed sequence tag
XX (EST) of the invention
XX
XX Sequence 11 BP; 8 A; 0 C; 2 G; 1 T; 0 U; 0 Other;
XX
XX Query Match 12.9%; Score 9.4; DB 1; Length 11;
XX Best Local Similarity 90.9%; Pred No. 1.2e+03;
XX Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
XX
XX QY 921 TTCCTTTTAT 931
XX ||| |||||
XX Db 11 TTCCTTTTAT 1
XX
XX RESULT 1381
XX ABV69524/c
XX ID ABV69524 standard; cDNA; 11 BP.
XX
XX AC ABV69524;
XX
XX 21-OCT-2002 (first entry)
XX
XX Human skin EST 7310.
XX
XX Human; skin; dermatological; vulnery; antipsoriatic; antiseborrhaeic;
XX immunosuppressive; antiinflammatory; cytostatic; SAGE; neurodermatitis;
XX psoriasis; dermatitis; skin cancer; EST; expressed sequence tag; ss.
XX
XX Homo sapiens.
XX
XX WO200253774-A2.
XX
XX 11-JUL-2002.
XX
XX 20-DEC-2001; 2001WO-EP015179.
XX
XX 03-JAN-2001; 2001DE-01000127.
XX
XX (HENK ) HENKEL KGAA.
XX
XX Petersohn D, Conradt M, Hofmann K;
XX

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DR WPI; 2002-590638/63.
XX In vitro identification of skin-expressed genes, useful for determining
PT homeostasis and identifying cosmetic or pharmaceutical agents against
PT e.g. skin cancer.
XX
XX Disclosure; Page 229; 1345pp; German.
XX
XX The invention relates to in vitro identification (M1) of genes expressed
CC in the skin of humans or animals by subjecting a mixture of genetically
CC encoded factors from skin, to serial analysis of gene expression (SAGE)
CC so as to identify skin-expressed genes and quantify their expression.
CC (M1) is useful for identifying genes involved in skin homeostasis; to
CC determine skin homeostasis and to test agent (A) that maintains or
CC promotes skin homeostasis or that can be used for treating skin
CC disorders, specifically neurodermatitis; sunburn; psoriasis; scleroderma;
CC ichthyosis; atopic dermatitis; acne; seborrhea; lupus erythematosus;
CC rosacea; melanoma; basal cell carcinoma; and carcinoma or sarcoma of the
CC skin. The present sequence is that of a human expressed sequence tag
CC (EST) of the invention
XX
SQ Sequence 11 BP; 5 A; 3 C; 3 G; 0 T; 0 U; 0 Other;

Query Match 12.9%; Score 9.4; DB 1; Length 11;
Best Local Similarity 90.9%; Pred. No. 1.2e+03;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 917 GTCCTGCTT 927
DB 11 GTCCTGCTT 1

RESULT 1383
ABV67218/C
ID ABV67218 standard; cDNA; 11 BP.
XX
AC ABV67218;
XX
XX 21-OCT-2002 (first entry)
DE Human skin EST 5004.
XX
XX Human; skin; dermatological; vulnary; antipsoriatic; antiseborrheic;
KW immunosuppressive; antiinflammatory; cytostatic; SAGE; neurodermatitis;
KW psoriasis; dermatitis; skin cancer; EST; expressed sequence tag; ss.
XX
XX Homo sapiens.
XX
XX WO200253774-A2.
XX
XX 11-JUL-2002.
XX
XX 20-DEC-2001; 2001WO-EP015179.
XX
XX 03-JAN-2001; 2001DE-01000127.
XX
XX (HENK) HENKEL KGAA.
XX
XX Petersohn D, Conradt M, Hofmann K;
XX
XX WPI; 2002-590638/63.
XX
XX 11-JUL-2002.
XX
XX 20-DEC-2001; 2001WO-EP015179.
XX
XX 03-JAN-2001; 2001DE-01000127.
XX
XX (HENK) HENKEL KGAA.
XX
XX Petersohn D, Conradt M, Hofmann K;
XX
XX WPI; 2002-590638/63.
XX
XX In vitro identification of skin-expressed genes, useful for determining
PT homeostasis and identifying cosmetic or pharmaceutical agents against
PT e.g. skin cancer.
XX
XX Disclosure; Page 163; 1345pp; German.
XX
XX The invention relates to in vitro identification (M1) of genes expressed
CC in the skin of humans or animals by subjecting a mixture of genetically
CC encoded factors from skin, to serial analysis of gene expression (SAGE)
CC so as to identify skin-expressed genes and quantify their expression.
CC (M1) is useful for identifying genes involved in skin homeostasis; to

CC determine skin homeostasis and to test agent (A) that maintains or
CC promotes skin homeostasis or that can be used for treating skin
CC disorders, specifically neurodermatitis; sunburn; psoriasis; scleroderma;
CC ichthyosis; atopic dermatitis; acne; seborrhea; lupus erythematosus;
CC rosacea; melanoma; basal cell carcinoma; and carcinoma or sarcoma of the
CC skin. The present sequence is that of a human expressed sequence tag
CC (EST) of the invention
XX
SQ Sequence 11 BP; 7 A; 1 C; 1 G; 2 T; 0 U; 0 Other;

Query Match 12.9%; Score 9.4; DB 1; Length 11;
Best Local Similarity 90.9%; Pred. No. 1.2e+03;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 906 CATTTTCTTGG 916
DB 11 CATTTTCTTGG 1

RESULT 1383
ABV67771
ID ABV67771 standard; cDNA; 11 BP.
XX
XX ABV67771;
XX
XX 21-OCT-2002 (first entry)
DE Human skin EST 5557.
XX
XX Human; skin; dermatological; vulnary; antipsoriatic; antiseborrheic;
KW immunosuppressive; antiinflammatory; cytostatic; SAGE; neurodermatitis;
KW psoriasis; dermatitis; skin cancer; EST; expressed sequence tag; ss.
XX
XX Homo sapiens.
XX
XX WO200253774-A2.
XX
XX 11-JUL-2002.
XX
XX 20-DEC-2001; 2001WO-EP015179.
XX
XX 03-JAN-2001; 2001DE-01000127.
XX
XX (HENK) HENKEL KGAA.
XX
XX Petersohn D, Conradt M, Hofmann K;
XX
XX WPI; 2002-590638/63.
XX
XX In vitro identification of skin-expressed genes, useful for determining
PT homeostasis and identifying cosmetic or pharmaceutical agents against
PT e.g. skin cancer.
XX
XX Disclosure; Page 178; 1345pp; German.
XX
XX The invention relates to in vitro identification (M1) of genes expressed
CC in the skin of humans or animals by subjecting a mixture of genetically
CC encoded factors from skin, to serial analysis of gene expression (SAGE)
CC so as to identify skin-expressed genes and quantify their expression.
CC (M1) is useful for identifying genes involved in skin homeostasis; to
CC determine skin homeostasis and to test agent (A) that maintains or
CC promotes skin homeostasis or that can be used for treating skin
CC disorders, specifically neurodermatitis; sunburn; psoriasis; scleroderma;
CC ichthyosis; atopic dermatitis; acne; seborrhea; lupus erythematosus;
CC rosacea; melanoma; basal cell carcinoma; and carcinoma or sarcoma of the
CC skin. The present sequence is that of a human expressed sequence tag
CC (EST) of the invention
XX
SQ Sequence 11 BP; 0 A; 2 C; 1 G; 8 T; 0 U; 0 Other;

Query Match 12.9%; Score 9.4; DB 1; Length 11;
Best Local Similarity 90.9%; Pred. No. 1.2e+03;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

PF 20-DEC-2001; 2001WO-EP015179.
XX
PR 03-JAN-2001; 2001DE-01000127.
XX
PA (HENK) HENKEL KGAA.
XX
PI Petersohn D, Conradt M, Hofmann K;
XX
DR WPI; 2002-590638/63.
XX
XX In vitro identification of skin-expressed genes, useful for determining
PT homeostasis and identifying cosmetic or pharmaceutical agents against
PT e.g. skin cancer.
XX
PS Disclosure; Page 83; 1345pp; German.
XX
XX The invention relates to in vitro identification (M1) of genes expressed
CC in the skin of humans or animals by subjecting a mixture of genetically
CC encoded factors from skin, to serial analysis of gene expression (SAGE)
CC so as to identify skin-expressed genes and quantify their expression.
CC (M1) is useful for identifying genes involved in skin homeostasis; to
CC determine skin homeostasis and to test agent (A) that maintains or
CC promotes skin homeostasis or that can be used for treating skin
CC disorders, specifically neurodermatitis; sunburn; psoriasis; scleroderma;
CC ichthyosis; atopic dermatitis; acne; seborrhea; lupus erythematosus;
CC rosacea; melanoma; basal cell carcinoma; and carcinoma or sarcoma of the
CC skin. The present sequence is that of a human expressed sequence tag
CC (EST) of the invention
XX
SQ Sequence 11 BP; 9 A; 2 C; 0 G; 0 T; 0 U; 0 Other;

Query Match 12.9%; Score 9.4; DB 1; Length 11;
Best Local Similarity 90.9%; Pred. No. 1.2e+03;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 908 TTTTCTTGGT 918
DB 11 TTTTCTTGGT 1

RESULT 1387
ABV70355
ID ABV70355 standard; cDNA; 11 BP.
XX
AC ABV70355;
XX
XX 21-OCT-2002 (first entry)
XX
XX Human skin EST 8141.
XX
XX Human; skin; dermatological; vulnery; antipsoriatic; antisborrhaeic;
KW immunosuppressive; antiinflammatory; cytostatic; SAGE; neurodermatitis;
KW psoriasis; dermatitis; skin cancer; EST; expressed sequence tag; ss.
XX
XX Homo sapiens.
XX
XX WO200253774-A2.
XX
XX 11-JUL-2002.
XX
XX 20-DEC-2001; 2001WO-EP015179.
XX
XX 03-JAN-2001; 2001DE-01000127.
XX
XX (HENK) HENKEL KGAA.
XX
XX Petersohn D, Conradt M, Hofmann K;
XX
XX WPI; 2002-590638/63.
XX
XX In vitro identification of skin-expressed genes, useful for determining
PT homeostasis and identifying cosmetic or pharmaceutical agents against
PT e.g. skin cancer.

XX Claim 24; Page 260; 1345pp; German.
XX
XX The invention relates to in vitro identification (M1) of genes expressed
CC in the skin of humans or animals by subjecting a mixture of genetically
CC encoded factors from skin, to serial analysis of gene expression (SAGE)
CC so as to identify skin-expressed genes and quantify their expression.
CC (M1) is useful for identifying genes involved in skin homeostasis; to
CC determine skin homeostasis and to test agent (A) that maintains or
CC promotes skin homeostasis or that can be used for treating skin
CC disorders, specifically neurodermatitis; sunburn; psoriasis; scleroderma;
CC ichthyosis; atopic dermatitis; acne; seborrhea; lupus erythematosus;
CC rosacea; melanoma; basal cell carcinoma; and carcinoma or sarcoma of the
CC skin. The present sequence is that of a human expressed sequence tag
CC (EST) of the invention
XX
SQ Sequence 11 BP; 1 A; 2 C; 3 G; 5 T; 0 U; 0 Other;

Query Match 12.9%; Score 9.4; DB 1; Length 11;
Best Local Similarity 90.9%; Pred. No. 1.2e+03;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 901 CTGGTCATTTT 911
DB 1 CTGGTCATTTT 11

RESULT 1388
ABV63534/c
ID ABV63534 standard; cDNA; 11 BP.
XX
AC ABV63534;
XX
XX 21-OCT-2002 (first entry)
XX
XX Human skin EST 1320.
XX
XX Human; skin; dermatological; vulnery; antipsoriatic; antisborrhaeic;
KW immunosuppressive; antiinflammatory; cytostatic; SAGE; neurodermatitis;
KW psoriasis; dermatitis; skin cancer; EST; expressed sequence tag; ss.
XX
XX Homo sapiens.
XX
XX WO200253774-A2.
XX
XX 11-JUL-2002.
XX
XX 20-DEC-2001; 2001WO-EP015179.
XX
XX 03-JAN-2001; 2001DE-01000127.
XX
XX (HENK) HENKEL KGAA.
XX
XX Petersohn D, Conradt M, Hofmann K;
XX
XX WPI; 2002-590638/63.
XX
XX In vitro identification of skin-expressed genes, useful for determining
PT homeostasis and identifying cosmetic or pharmaceutical agents against
PT e.g. skin cancer.
XX
XX Disclosure; Page 61; 1345pp; German.
XX
XX The invention relates to in vitro identification (M1) of genes expressed
CC in the skin of humans or animals by subjecting a mixture of genetically
CC encoded factors from skin, to serial analysis of gene expression (SAGE)
CC so as to identify skin-expressed genes and quantify their expression.
CC (M1) is useful for identifying genes involved in skin homeostasis; to
CC determine skin homeostasis and to test agent (A) that maintains or
CC promotes skin homeostasis or that can be used for treating skin
CC disorders, specifically neurodermatitis; sunburn; psoriasis; scleroderma;
CC ichthyosis; atopic dermatitis; acne; seborrhea; lupus erythematosus;
CC rosacea; melanoma; basal cell carcinoma; and carcinoma or sarcoma of the
CC skin.

CC skin. The present sequence is that of a human expressed sequence tag
 CC (EST) of the invention

XX Sequence 11 BP; 4 A; 2 C; 4 G; 1 T; 0 U; 0 Other;
 Query Match 12.9%; Score 9.4; DB 1; Length 11;
 Best Local Similarity 90.9%; Pred. No. 1.2e+03;
 Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 936 CCTCTTCATTG 946
 Db 11 CCTCTGCATTG 1
 ||||| |||||

RESULT 1389

ABV64234
 ID ABV64234 standard; cDNA; 11 BP.

XX AC ABV64234;

XX DT 21-OCT-2002 (first entry)

XX DE Human skin EST 2020.

XX Human; skin; dermatological; vulnery; antipsoriatic; antiseborrhoeic;
 KW immunosuppressive; antiinflammatory; cytostatic; SAGE; neurodermatitis;
 KW psoriasis; dermatitis; skin cancer; EST; expressed sequence tag; ss.

OS Homo sapiens.

XX WO200253774-A2.

XX DT 11-JUL-2002.

XX PF 20-DEC-2001; 2001WO-EP015179.

XX PR 03-JAN-2001; 2001DE-01000127.

XX PA (HENK) HENKEL KGAA.

XX PI Petersohn D, Conradt M, Hofmann K;

XX DR WPI; 2002-590638/63.

XX In vitro identification of skin-expressed genes, useful for determining
 PT homeostasis and identifying cosmetic or pharmaceutical agents against
 PT e.g. skin cancer.

XX PS Disclosure; Page 81; 1345pp; German.

XX The invention relates to in vitro identification (M1) of genes expressed
 CC in the skin of humans or animals by subjecting a mixture of genetically
 CC encoded factors from skin, to serial analysis of gene expression (SAGE)
 CC so as to identify skin-expressed genes and quantify their expression.
 CC (M1) is useful for identifying genes involved in skin homeostasis; to
 CC determine skin homeostasis and to test agent (A) that maintains or
 CC promotes skin homeostasis or that can be used for treating skin
 CC disorders, specifically neurodermatitis; sunburn; psoriasis; scleroderma;
 CC ichthyosis; atopic dermatitis; acne; seborrhea; lupus erythematosus;
 CC rosacea; melanoma; basal cell carcinoma; and carcinoma or sarcoma of the
 CC skin. The present sequence is that of a human expressed sequence tag
 CC (EST) of the invention

XX Sequence 11 BP; 1 A; 5 C; 1 G; 4 T; 0 U; 0 Other;

Query Match 12.9%; Score 9.4; DB 1; Length 11;
 Best Local Similarity 90.9%; Pred. No. 1.2e+03;
 Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 924 CCTTTATCCC 934
 Db 1 CCTGTATCCC 11
 ||||| |||||

RESULT 1390

ABV65581/C
 ID ABV65581 standard; cDNA; 11 BP.

XX AC ABV65581;

XX DT 21-OCT-2002 (first entry)

XX DE Human skin EST 3367.

XX Human; skin; dermatological; vulnery; antipsoriatic; antiseborrhoeic;
 KW immunosuppressive; antiinflammatory; cytostatic; SAGE; neurodermatitis;
 KW psoriasis; dermatitis; skin cancer; EST; expressed sequence tag; ss.

OS Homo sapiens.

XX WO200253774-A2.

XX DT 11-JUL-2002.

XX PF 20-DEC-2001; 2001WO-EP015179.

XX PR 03-JAN-2001; 2001DE-01000127.

XX PA (HENK) HENKEL KGAA.

XX PI Petersohn D, Conradt M, Hofmann K;

XX DR WPI; 2002-590638/63.

XX In vitro identification of skin-expressed genes, useful for determining
 PT homeostasis and identifying cosmetic or pharmaceutical agents against
 PT e.g. skin cancer.

XX PS Disclosure; Page 118; 1345pp; German.

XX The invention relates to in vitro identification (M1) of genes expressed
 CC in the skin of humans or animals by subjecting a mixture of genetically
 CC encoded factors from skin, to serial analysis of gene expression (SAGE)
 CC so as to identify skin-expressed genes and quantify their expression.
 CC (M1) is useful for identifying genes involved in skin homeostasis; to
 CC determine skin homeostasis and to test agent (A) that maintains or
 CC promotes skin homeostasis or that can be used for treating skin
 CC disorders, specifically neurodermatitis; sunburn; psoriasis; scleroderma;
 CC ichthyosis; atopic dermatitis; acne; seborrhea; lupus erythematosus;
 CC rosacea; melanoma; basal cell carcinoma; and carcinoma or sarcoma of the
 CC skin. The present sequence is that of a human expressed sequence tag
 CC (EST) of the invention

XX Sequence 11 BP; 7 A; 0 C; 2 G; 2 T; 0 U; 0 Other;

Query Match 12.9%; Score 9.4; DB 1; Length 11;
 Best Local Similarity 90.9%; Pred. No. 1.2e+03;
 Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 905 TCATTTCTTT 915
 Db 11 TCATATTTCTTT 1
 ||||| |||||

RESULT 1391

ABV66832
 ID ABV66832 standard; cDNA; 11 BP.

XX AC ABV66832;

XX DT 21-OCT-2002 (first entry)

XX DE Human skin EST 4618.

XX Human; skin; dermatological; vulnery; antipsoriatic; antiseborrhoeic;
 KW immunosuppressive; antiinflammatory; cytostatic; SAGE; neurodermatitis;


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KW psoriasis; dermatitis; skin cancer; EST; expressed sequence tag; ss.
XX Homo sapiens.
XX WO200253774-A2.
XX 11-JUL-2002.
XX 20-DEC-2001; 2001WO-EP015179.
XX 03-JAN-2001; 2001DE-01000127.
XX (HENK ) HENKEL KGAA.
XX Petersohn D, Conradt M, Hofmann K;
XX WPI; 2002-590638/63.
XX In vitro identification of skin-expressed genes, useful for determining
PT homeostasis and identifying cosmetic or pharmaceutical agents against
PT e.g. skin cancer.
XX Disclosure; Page 152; 1345pp; German.
XX The invention relates to in vitro identification (M1) of genes expressed
CC in the skin of humans or animals by subjecting a mixture of genetically
CC encoded factors from skin, to serial analysis of gene expression (SAGE)
CC so as to identify skin-expressed genes and quantify their expression.
CC (M1) is useful for identifying genes involved in skin homeostasis; to
CC determine skin homeostasis and to test agent (A) that maintains or
CC promotes skin homeostasis or that can be used for treating skin
CC disorders, specifically neurodermatitis; sunburn; psoriasis; scleroderma;
CC ichthyosis; atopic dermatitis; acne; seborrhea; lupus erythematosus;
CC rosacea; melanoma; basal cell carcinoma; and carcinoma or sarcoma of the
CC skin. The present sequence is that of a human expressed sequence tag
CC (EST) of the invention
XX Sequence 11 BP; 0 A; 0 C; 4 G; 7 T; 0 U; 0 Other;
XX
XX Query Match 12.9%; Score 9.4; DB 1; Length 11;
XX Best Local Similarity 90.9%; Pred. No. 1.2e+03;
XX Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
XX
QY 913 TTGTGTCCTTG 923
DB 1 TTGTGCTTTG 11
||||| |||
RESULT 1392
ABV68926/c
ID ABV68926 standard; cDNA; 11 BP.
XX AC ABV68926;
XX 21-OCT-2002 (first entry)
XX Human skin EST 6712.
XX
XX Human; skin; dermatological; vulnary; antipsoriatic; antiseporhaeic;
KW immunosuppressive; antiinflammatory; cytostatic; SAGE; neurodermatitis;
KW psoriasis; dermatitis; skin cancer; EST; expressed sequence tag; ss.
XX Homo sapiens.
XX WO200253774-A2.
XX 11-JUL-2002.
XX 20-DEC-2001; 2001WO-EP015179.
XX 03-JAN-2001; 2001DE-01000127.
XX (HENK ) HENKEL KGAA.
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XX Petersohn D, Conradt M, Hofmann K;
XX WPI; 2002-590638/63.
XX In vitro identification of skin-expressed genes, useful for determining
PT homeostasis and identifying cosmetic or pharmaceutical agents against
PT e.g. skin cancer.
XX Disclosure; Page 212; 1345pp; German.
XX The invention relates to in vitro identification (M1) of genes expressed
CC in the skin of humans or animals by subjecting a mixture of genetically
CC encoded factors from skin, to serial analysis of gene expression (SAGE)
CC so as to identify skin-expressed genes and quantify their expression.
CC (M1) is useful for identifying genes involved in skin homeostasis; to
CC determine skin homeostasis and to test agent (A) that maintains or
CC promotes skin homeostasis or that can be used for treating skin
CC disorders, specifically neurodermatitis; sunburn; psoriasis; scleroderma;
CC ichthyosis; atopic dermatitis; acne; seborrhea; lupus erythematosus;
CC rosacea; melanoma; basal cell carcinoma; and carcinoma or sarcoma of the
CC skin. The present sequence is that of a human expressed sequence tag
CC (EST) of the invention
XX Sequence 11 BP; 6 A; 3 C; 0 G; 2 T; 0 U; 0 Other;
XX
XX Query Match 12.9%; Score 9.4; DB 1; Length 11;
XX Best Local Similarity 90.9%; Pred. No. 1.2e+03;
XX Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
XX
QY 946 GGTTTAATGTA 956
DB 11 GGTTTAATGTA 1
||||| |||
RESULT 1393
ABV70440
ID ABV70440 standard; cDNA; 11 BP.
XX AC ABV70440;
XX 21-OCT-2002 (first entry)
XX Human skin EST 8226.
XX
XX Human; skin; dermatological; vulnary; antipsoriatic; antiseporhaeic;
KW immunosuppressive; antiinflammatory; cytostatic; SAGE; neurodermatitis;
KW psoriasis; dermatitis; skin cancer; EST; expressed sequence tag; ss.
XX Homo sapiens.
XX WO200253774-A2.
XX 11-JUL-2002.
XX 20-DEC-2001; 2001WO-EP015179.
XX 03-JAN-2001; 2001DE-01000127.
XX (HENK ) HENKEL KGAA.
XX Petersohn D, Conradt M, Hofmann K;
XX WPI; 2002-590638/63.
XX In vitro identification of skin-expressed genes, useful for determining
PT homeostasis and identifying cosmetic or pharmaceutical agents against
PT e.g. skin cancer.
XX Claim 24; Page 263; 1345pp; German.
XX The invention relates to in vitro identification (M1) of genes expressed
CC in the skin of humans or animals by subjecting a mixture of genetically
```

CC encoded factors from skin, to serial analysis of gene expression (SAGE)
 CC so as to identify skin-expressed genes and quantify their expression.
 CC (M1) is useful for identifying genes involved in skin homeostasis; to
 CC determine skin homeostasis and to test agent (A) that maintains or
 CC promotes skin homeostasis or that can be used for treating skin
 CC disorders, specifically neurodermatitis; sunburn; psoriasis; scleroderma;
 CC ichthyosis; atopic dermatitis; acne; seborrhea; lupus erythematosus;
 CC rosacea; melanoma; basal cell carcinoma; and carcinoma or sarcoma of the
 CC skin. The present sequence is that of a human expressed sequence tag
 CC (EST) of the invention
 XX
 SQ Sequence 11 BP; 0 A; 3 C; 1 G; 7 T; 0 U; 0 Other;
 Query Match 12.9%; Score 9.4; DB 1; Length 11;
 Best Local Similarity 90.9%; Pred. No. 1.2e+03;
 Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
 QY 911 TCATTGCTCTT 921
 Db 1 TCATTGCTCTT 11
 RESULT 1394
 ABV62773
 ID ABV62773 standard; cDNA; 11 BP.
 XX
 AC ABV62773;
 XX
 DT 21-OCT-2002 (first entry)
 XX
 DE Human skin EST 559.
 XX
 XX Human; skin; dermatological; vulnary; antipsoriatic; antiseborrheic;
 XX immunosuppressive; antiinflammatory; cytostatic; SAGE; neurodermatitis;
 XX psoriasis; dermatitis; skin cancer; EST; expressed sequence tag; ss.
 XX
 OS Homo sapiens.
 XX
 PN WO200253774-A2.
 XX
 PD 11-JUL-2002.
 XX
 PF 20-DEC-2001; 2001WO-EP015179.
 XX
 PR 03-JAN-2001; 2001DE-01000127.
 XX
 PA (HENK) HENKEL KGAA.
 XX
 PI Petersohn D, Conradt M, Hofmann K;
 XX
 XX WPI; 2002-590638/63.
 XX
 XX In vitro identification of skin-expressed genes, useful for determining
 PT homeostasis and identifying cosmetic or pharmaceutical agents against
 PT e.g. skin cancer.
 XX
 PS Disclosure; Page 41; 1345pp; German.
 XX
 CC The invention relates to in vitro identification (M1) of genes expressed
 CC in the skin of humans or animals by subjecting a mixture of genetically
 CC encoded factors from skin, to serial analysis of gene expression (SAGE).
 CC so as to identify skin-expressed genes and quantify their expression.
 CC (M1) is useful for identifying genes involved in skin homeostasis; to
 CC determine skin homeostasis and to test agent (A) that maintains or
 CC promotes skin homeostasis or that can be used for treating skin
 CC disorders, specifically neurodermatitis; sunburn; psoriasis; scleroderma;
 CC ichthyosis; atopic dermatitis; acne; seborrhea; lupus erythematosus;
 CC rosacea; melanoma; basal cell carcinoma; and carcinoma or sarcoma of the
 CC skin. The present sequence is that of a human expressed sequence tag
 CC (EST) of the invention
 XX
 SQ Sequence 11 BP; 0 A; 2 C; 0 G; 9 T; 0 U; 0 Other;
 Query Match 12.9%; Score 9.4; DB 1; Length 11;
 Best Local Similarity 90.9%; Pred. No. 1.2e+03;
 Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
 QY 911 TCATTGCTCTT 921
 Db 1 TCATTGCTCTT 11
 RESULT 1394
 ABV62773
 ID ABV62773 standard; cDNA; 11 BP.
 XX
 AC ABV62773;
 XX
 DT 21-OCT-2002 (first entry)
 XX
 DE Human skin EST 559.
 XX
 XX Human; skin; dermatological; vulnary; antipsoriatic; antiseborrheic;
 XX immunosuppressive; antiinflammatory; cytostatic; SAGE; neurodermatitis;
 XX psoriasis; dermatitis; skin cancer; EST; expressed sequence tag; ss.
 XX
 OS Homo sapiens.
 XX
 PN WO200253774-A2.
 XX
 PD 11-JUL-2002.
 XX
 PF 20-DEC-2001; 2001WO-EP015179.
 XX
 PR 03-JAN-2001; 2001DE-01000127.
 XX
 PA (HENK) HENKEL KGAA.
 XX
 PI Petersohn D, Conradt M, Hofmann K;
 XX
 XX WPI; 2002-590638/63.
 XX
 XX In vitro identification of skin-expressed genes, useful for determining
 PT homeostasis and identifying cosmetic or pharmaceutical agents against
 PT e.g. skin cancer.
 XX
 PS Disclosure; Page 41; 1345pp; German.
 XX
 CC The invention relates to in vitro identification (M1) of genes expressed
 CC in the skin of humans or animals by subjecting a mixture of genetically
 CC encoded factors from skin, to serial analysis of gene expression (SAGE).
 CC so as to identify skin-expressed genes and quantify their expression.
 CC (M1) is useful for identifying genes involved in skin homeostasis; to
 CC determine skin homeostasis and to test agent (A) that maintains or
 CC promotes skin homeostasis or that can be used for treating skin
 CC disorders, specifically neurodermatitis; sunburn; psoriasis; scleroderma;
 CC ichthyosis; atopic dermatitis; acne; seborrhea; lupus erythematosus;
 CC rosacea; melanoma; basal cell carcinoma; and carcinoma or sarcoma of the
 CC skin. The present sequence is that of a human expressed sequence tag
 CC (EST) of the invention
 XX
 SQ Sequence 11 BP; 0 A; 2 C; 0 G; 9 T; 0 U; 0 Other;

Query Match 12.9%; Score 9.4; DB 1; Length 11;
 Best Local Similarity 90.9%; Pred. No. 1.2e+03;
 Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
 QY 905 TCATTTCCTTT 915
 Db 1 TCATTTCCTTT 11
 RESULT 1395
 ABV68868
 ID ABV68868 standard; cDNA; 11 BP.
 XX
 AC ABV68868;
 XX
 DT 21-OCT-2002 (first entry)
 XX
 DE Human skin EST 6654.
 XX
 XX Human; skin; dermatological; vulnary; antipsoriatic; antiseborrheic;
 XX immunosuppressive; antiinflammatory; cytostatic; SAGE; neurodermatitis;
 XX psoriasis; dermatitis; skin cancer; EST; expressed sequence tag; ss.
 XX
 OS Homo sapiens.
 XX
 PN WO200253774-A2.
 XX
 PD 11-JUL-2002.
 XX
 PF 20-DEC-2001; 2001WO-EP015179.
 XX
 PR 03-JAN-2001; 2001DE-01000127.
 XX
 PA (HENK) HENKEL KGAA.
 XX
 PI Petersohn D, Conradt M, Hofmann K;
 XX
 XX WPI; 2002-590638/63.
 XX
 XX In vitro identification of skin-expressed genes, useful for determining
 PT homeostasis and identifying cosmetic or pharmaceutical agents against
 PT e.g. skin cancer.
 XX
 PS Disclosure; Page 210; 1345pp; German.
 XX
 CC The invention relates to in vitro identification (M1) of genes expressed
 CC in the skin of humans or animals by subjecting a mixture of genetically
 CC encoded factors from skin, to serial analysis of gene expression (SAGE).
 CC so as to identify skin-expressed genes and quantify their expression.
 CC (M1) is useful for identifying genes involved in skin homeostasis; to
 CC determine skin homeostasis and to test agent (A) that maintains or
 CC promotes skin homeostasis or that can be used for treating skin
 CC disorders, specifically neurodermatitis; sunburn; psoriasis; scleroderma;
 CC ichthyosis; atopic dermatitis; acne; seborrhea; lupus erythematosus;
 CC rosacea; melanoma; basal cell carcinoma; and carcinoma or sarcoma of the
 CC skin. The present sequence is that of a human expressed sequence tag
 CC (EST) of the invention
 XX
 SQ Sequence 11 BP; 1 A; 3 C; 0 G; 7 T; 0 U; 0 Other;
 Query Match 12.9%; Score 9.4; DB 1; Length 11;
 Best Local Similarity 90.9%; Pred. No. 1.2e+03;
 Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
 QY 905 TCATTTCCTTT 915
 Db 1 TCATTTCCTTT 11
 RESULT 1396
 ABV63019
 ID ABV63019 standard; cDNA; 11 BP.
 XX

```
AC ABV63019;
XX
XX 21-OCT-2002 (first entry)
XX
XX Human skin EST 805.
XX
XX Human; skin; dermatological; vulnary; antipsoriatic; antiseborrhaeic;
KW immunosuppressive; antiinflammatory; cytostatic; SAGE; neurodermatitis;
KW psoriasis; dermatitis; skin cancer; EST; expressed sequence tag; ss.
XX
XX Homo sapiens.
XX
XX WO200253774-A2.
XX
XX 11-JUL-2002.
XX
XX 20-DEC-2001; 2001WO-EP015179.
XX
XX 03-JAN-2001; 2001DE-01000127.
XX
XX (HENK ) HENKEL KGAA.
XX
XX Petersohn D, Conradt M, Hofmann K;
XX
XX WPI; 2002-590638/63.
XX
XX In vitro identification of skin-expressed genes, useful for determining
PT homeostasis and identifying cosmetic or pharmaceutical agents against
PT e.g. skin cancer.
XX
XX Disclosure; Page 47; 1345pp; German.
XX
XX The invention relates to in vitro identification (M1) of genes expressed
CC in the skin of humans or animals by subjecting a mixture of genetically
CC encoded factors from skin, to serial analysis of gene expression (SAGE)
CC so as to identify skin-expressed genes and quantify their expression.
CC (M1) is useful for identifying genes involved in skin homeostasis; to
CC determine skin homeostasis and to test agent (A) that maintains or
CC promotes skin homeostasis or that can be used for treating skin
CC disorders, specifically neurodermatitis; sunburn; psoriasis; scleroderma;
CC ichthyosis; atopic dermatitis; acne; seborrhea; lupus erythematosus;
CC rosacea; melanoma; basal cell carcinoma; and carcinoma or sarcoma of the
CC skin. The present sequence is that of a human expressed sequence tag
CC (EST) of the invention
XX
XX PS Sequence 11 BP; 0 A; 3 C; 1 G; 7 T; 0 U; 0 Other;
XX
XX Query Match 12.9%; Score 9.4; DB 1; Length 11;
XX Best Local Similarity 90.9%; Pred. No. 1.2e-03;
XX Mismatches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
XX
XX Qy 911 TCTTTGGCTTT 921
XX ||||| |||
XX Db 1 TCTTTGGCTTT 11
XX
XX RESULT 1397
XX ABV6065
XX ID ABV66065 standard; cDNA; 11 BP.
XX
XX AC ABV66065;
XX
XX 21-OCT-2002 (first entry)
XX
XX Human skin EST 3851.
XX
XX Human; skin; dermatological; vulnary; antipsoriatic; antiseborrhaeic;
KW immunosuppressive; antiinflammatory; cytostatic; SAGE; neurodermatitis;
KW psoriasis; dermatitis; skin cancer; EST; expressed sequence tag; ss.
XX
XX Homo sapiens.
XX
XX WO200253774-A2.
XX
```

```
XX
XX 11-JUL-2002.
XX
XX 20-DEC-2001; 2001WO-EP015179.
XX
XX 03-JAN-2001; 2001DE-01000127.
XX
XX (HENK ) HENKEL KGAA.
XX
XX Petersohn D, Conradt M, Hofmann K;
XX
XX WPI; 2002-590638/63.
XX
XX In vitro identification of skin-expressed genes, useful for determining
PT homeostasis and identifying cosmetic or pharmaceutical agents against
PT e.g. skin cancer.
XX
XX Disclosure; Page 131; 1345pp; German.
XX
XX The invention relates to in vitro identification (M1) of genes expressed
CC in the skin of humans or animals by subjecting a mixture of genetically
CC encoded factors from skin, to serial analysis of gene expression (SAGE)
CC so as to identify skin-expressed genes and quantify their expression.
CC (M1) is useful for identifying genes involved in skin homeostasis; to
CC determine skin homeostasis and to test agent (A) that maintains or
CC promotes skin homeostasis or that can be used for treating skin
CC disorders, specifically neurodermatitis; sunburn; psoriasis; scleroderma;
CC ichthyosis; atopic dermatitis; acne; seborrhea; lupus erythematosus;
CC rosacea; melanoma; basal cell carcinoma; and carcinoma or sarcoma of the
CC skin. The present sequence is that of a human expressed sequence tag
CC (EST) of the invention
XX
XX SQ Sequence 11 BP; 1 A; 2 C; 2 G; 6 T; 0 U; 0 Other;
XX
XX Query Match 12.9%; Score 9.4; DB 1; Length 11;
XX Best Local Similarity 90.9%; Pred. No. 1.2e+03;
XX Mismatches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
XX
XX Qy 920 TTGCGCTTTA 930
XX ||||| |||
XX Db 1 TTGCGCTTTA 11
XX
XX RESULT 1398
XX ABV70955/c
XX ID ABV70955 standard; cDNA; 11 BP.
XX
XX AC ABV70955;
XX
XX 21-OCT-2002 (first entry)
XX
XX Human skin EST 8741.
XX
XX Human; skin; dermatological; vulnary; antipsoriatic; antiseborrhaeic;
KW immunosuppressive; antiinflammatory; cytostatic; SAGE; neurodermatitis;
KW psoriasis; dermatitis; skin cancer; EST; expressed sequence tag; ss.
XX
XX Homo sapiens.
XX
XX WO200253774-A2.
XX
XX 11-JUL-2002.
XX
XX 20-DEC-2001; 2001WO-EP015179.
XX
XX 03-JAN-2001; 2001DE-01000127.
XX
XX (HENK ) HENKEL KGAA.
XX
XX Petersohn D, Conradt M, Hofmann K;
XX
XX WPI; 2002-590638/63.
XX
```

PT In vitro identification of skin-expressed genes, useful for determining
PT homeostasis and identifying cosmetic or pharmaceutical agents against
PT e.g. skin cancer.
XX Claim 24; Page 280; 1345pp; German.
XX The invention relates to in vitro identification (M1) of genes expressed
CC in the skin of humans or animals by subjecting a mixture of genetically
CC encoded factors from skin, to serial analysis of gene expression (SAGE)
CC so as to identify skin-expressed genes and quantify their expression.
CC (M1) is useful for identifying genes involved in skin homeostasis; to
CC determine skin homeostasis and to test agent (A) that maintains or
CC promotes skin homeostasis or that can be used for treating skin
CC disorders, specifically neurodermatitis; sunburn; psoriasis; scleroderma;
CC ichthyosis; atopic dermatitis; acne; seborrhea; lupus erythematosus;
CC rosacea; melanoma; basal cell carcinoma; and carcinoma or sarcoma of the
CC skin. The present sequence is that of a human expressed sequence tag
CC (EST) of the invention
XX Sequence 11 BP; 4 A; 2 C; 4 G; 1 T; 0 U; 0 Other;
SQ Query Match 12.9%; Score 9.4; DB 1; Length 11;
Best Local Similarity 90.9%; Pred. NO. 1.2e+03;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
QY 936 CCTCTTCATTG 946
DB 11 CCTCTGCATTG 1
RESULT 1399
ABV71655
ID ABV71655 standard; cDNA; 11 BP.
XX AC ABV71655;
XX 21-OCT-2002 (first entry)
XX Human skin EST 9441.
XX Human; skin; dermatological; vulnery; antipsoriatic; antiseborrheic;
KW immunosuppressive; antiinflammatory; cytostatic; SAGE; neurodermatitis;
KW psoriasis; dermatitis; skin cancer; EST; expressed sequence tag; ss.
XX OS Homo sapiens.
XX WO200253774-A2.
XX 11-JUL-2002.
XX 20-DEC-2001; 2001WO-EP015179.
XX 03-JAN-2001; 2001DE-01000127.
XX (HENK) HENKEL KGAA.
XX Petersohn D, Conradt M, Hofmann K;
XX WPI; 2002-590638/63.
XX In vitro identification of skin-expressed genes, useful for determining
PT homeostasis and identifying cosmetic or pharmaceutical agents against
PT e.g. skin cancer.
XX Claim 24; Page 304; 1345pp; German.
XX The invention relates to in vitro identification (M1) of genes expressed
CC in the skin of humans or animals by subjecting a mixture of genetically
CC encoded factors from skin, to serial analysis of gene expression (SAGE)
CC so as to identify skin-expressed genes and quantify their expression.
CC (M1) is useful for identifying genes involved in skin homeostasis; to
CC determine skin homeostasis and to test agent (A) that maintains or
CC promotes skin homeostasis or that can be used for treating skin
XX disorders, specifically neurodermatitis; sunburn; psoriasis; scleroderma;
XX ichthyosis; atopic dermatitis; acne; seborrhea; lupus erythematosus;
XX rosacea; melanoma; basal cell carcinoma; and carcinoma or sarcoma of the
XX skin. The present sequence is that of a human expressed sequence tag
XX (EST) of the invention
XX Sequence 11 BP; 4 A; 2 C; 4 G; 1 T; 0 U; 0 Other;
SQ Query Match 12.9%; Score 9.4; DB 1; Length 11;
Best Local Similarity 90.9%; Pred. NO. 1.2e+03;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
QY 936 CCTCTTCATTG 946
DB 11 CCTCTGCATTG 1

CC disorders, specifically neurodermatitis; sunburn; psoriasis; scleroderma;
CC ichthyosis; atopic dermatitis; acne; seborrhea; lupus erythematosus;
CC rosacea; melanoma; basal cell carcinoma; and carcinoma or sarcoma of the
CC skin. The present sequence is that of a human expressed sequence tag
CC (EST) of the invention
XX Sequence 11 BP; 1 A; 5 C; 1 G; 4 T; 0 U; 0 Other;
SQ Query Match 12.9%; Score 9.4; DB 1; Length 11;
Best Local Similarity 90.9%; Pred. NO. 1.2e+03;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
QY 924 CCTTTTATCCC 934
DB 1 CCTGTTATCCC 11
RESULT 1400
ABV71727/c
ID ABV71727 standard; cDNA; 11 BP.
XX AC ABV71727;
XX 21-OCT-2002 (first entry)
XX Human skin EST 9513.
XX Human; skin; dermatological; vulnery; antipsoriatic; antiseborrheic;
KW immunosuppressive; antiinflammatory; cytostatic; SAGE; neurodermatitis;
KW psoriasis; dermatitis; skin cancer; EST; expressed sequence tag; ss.
XX OS Homo sapiens.
XX WO200253774-A2.
XX 11-JUL-2002.
XX 20-DEC-2001; 2001WO-EP015179.
XX 03-JAN-2001; 2001DE-01000127.
XX (HENK) HENKEL KGAA.
XX Petersohn D, Conradt M, Hofmann K;
XX WPI; 2002-590638/63.
XX In vitro identification of skin-expressed genes, useful for determining
PT homeostasis and identifying cosmetic or pharmaceutical agents against
PT e.g. skin cancer.
XX Claim 24; Page 307; 1345pp; German.
XX The invention relates to in vitro identification (M1) of genes expressed
CC in the skin of humans or animals by subjecting a mixture of genetically
CC encoded factors from skin, to serial analysis of gene expression (SAGE)
CC so as to identify skin-expressed genes and quantify their expression.
CC (M1) is useful for identifying genes involved in skin homeostasis; to
CC determine skin homeostasis and to test agent (A) that maintains or
CC promotes skin homeostasis or that can be used for treating skin
CC disorders, specifically neurodermatitis; sunburn; psoriasis; scleroderma;
CC ichthyosis; atopic dermatitis; acne; seborrhea; lupus erythematosus;
CC rosacea; melanoma; basal cell carcinoma; and carcinoma or sarcoma of the
CC skin. The present sequence is that of a human expressed sequence tag
CC (EST) of the invention
XX Sequence 11 BP; 9 A; 2 C; 0 G; 0 T; 0 U; 0 Other;
SQ Query Match 12.9%; Score 9.4; DB 1; Length 11;
Best Local Similarity 90.9%; Pred. NO. 1.2e+03;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
QY 908 TTTTCTTTGTT 918

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Db      11 TTTTTCCTGCT 1
        ||||| |||||
RESULT 1401
ABV67498
ID ABV67498 standard; cDNA; 11 BP.
XX
AC ABV67498;
XX
DT 21-OCT-2002 (first entry)
XX
DE Human skin EST 5284.
XX
KW Human; skin; dermatological; vulnery; antipsoriatic; antiseborrhoeic;
KW immunosuppressive; antiinflammatory; cytostatic; SAGE; neurodermatitis;
KW psoriasis; dermatitis; skin cancer; EST; expressed sequence tag; ss.
XX
OS Homo sapiens.
XX
PN WO200253774-A2.
XX
PD 11-JUL-2002.
XX
PF 20-DEC-2001; 2001WO-EP015179.
XX
PR 03-JAN-2001; 2001DE-01000127.
XX
PA (HENK ) HENKEL KGAA.
XX
PI Petersohn D, Conradt M, Hofmann K;
XX
DR WPI; 2002-590638/63.
XX
PT In vitro identification of skin-expressed genes, useful for determining
PT homeostasis and identifying cosmetic or pharmaceutical agents against
PT e.g. skin cancer.
XX
PS Disclosure; Page 171; 1345pp; German.
XX
CC The invention relates to in vitro identification (M1) of genes expressed
CC in the skin of humans or animals by subjecting a mixture of genetically
CC encoded factors from skin, to serial analysis of gene expression (SAGE)
CC so as to identify skin-expressed genes and quantify their expression.
CC (M1) is useful for identifying genes involved in skin homeostasis; to
CC determine skin homeostasis and to test agent (A) that maintains or
CC promotes skin homeostasis or that can be used for treating skin
CC disorders, specifically neurodermatitis; sunburn; psoriasis; scleroderma;
CC ichthyosis; atopic dermatitis; acne; seborrhea; lupus erythematosus;
CC rosacea; melanoma; basal cell carcinoma; and carcinoma or sarcoma of the
CC skin. The present sequence is that of a human expressed sequence tag
CC (EST) of the invention
XX
SQ Sequence 11 BP; 0 A; 8 C; 0 G; 3 T; 0 U; 0 Other;
XX
Query Match 12.9%; Score 9.4; DB 1; Length 11;
Best Local Similarity 90.9%; Pred. No. 1.2e+03;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy      932 CCTCTCTCTTC 942
        ||||| |||||
Db      1 CCTCTCTCTCC 11
        ||||| |||||
RESULT 1402
ABV70194
ID ABV70194 standard; cDNA; 11 BP.
XX
AC ABV70194;
XX
DT 21-OCT-2002 (first entry)
XX
DE Human skin EST 7980.
XX

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XX Human; skin; dermatological; vulnery; antipsoriatic; antiseborrhoeic;
KW immunosuppressive; antiinflammatory; cytostatic; SAGE; neurodermatitis;
KW psoriasis; dermatitis; skin cancer; EST; expressed sequence tag; ss.
XX
OS Homo sapiens.
XX
PN WO200253774-A2.
XX
PD 11-JUL-2002.
XX
PF 20-DEC-2001; 2001WO-EP015179.
XX
PR 03-JAN-2001; 2001DE-01000127.
XX
PA (HENK ) HENKEL KGAA.
XX
PI Petersohn D, Conradt M, Hofmann K;
XX
DR WPI; 2002-590638/63.
XX
PT In vitro identification of skin-expressed genes, useful for determining
PT homeostasis and identifying cosmetic or pharmaceutical agents against
PT e.g. skin cancer.
XX
PS Claim 24; Page 254; 1345pp; German.
XX
CC The invention relates to in vitro identification (M1) of genes expressed
CC in the skin of humans or animals by subjecting a mixture of genetically
CC encoded factors from skin, to serial analysis of gene expression (SAGE)
CC so as to identify skin-expressed genes and quantify their expression.
CC (M1) is useful for identifying genes involved in skin homeostasis; to
CC determine skin homeostasis and to test agent (A) that maintains or
CC promotes skin homeostasis or that can be used for treating skin
CC disorders, specifically neurodermatitis; sunburn; psoriasis; scleroderma;
CC ichthyosis; atopic dermatitis; acne; seborrhea; lupus erythematosus;
CC rosacea; melanoma; basal cell carcinoma; and carcinoma or sarcoma of the
CC skin. The present sequence is that of a human expressed sequence tag
CC (EST) of the invention
XX
SQ Sequence 11 BP; 0 A; 2 C; 0 G; 9 T; 0 U; 0 Other;
XX
Query Match 12.9%; Score 9.4; DB 1; Length 11;
Best Local Similarity 90.9%; Pred. No. 1.2e+03;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy      905 TCATTTTCCTTT 915
        ||||| |||||
Db      1 TCATTTTCCTTT 11
        ||||| |||||
RESULT 1403
ABV78654
ID ABV78654 standard; DNA; 11 BP.
XX
AC ABV78654;
XX
DT 26-NOV-2002 (first entry)
XX
DE RXR binding site from clone X9TOP.
XX
KW PARDelta; peroxisome proliferator-activated receptor delta; nootropic;
KW neuroprotective; anti-HIV; cardiant; cytostatic; antiinflammatory;
KW immunosuppressive; cerebroprotective; gene therapy; inflammation; cancer;
KW Alzheimer's disease; AIDS; muscular dystrophy; autoimmune disease;
KW heart attack; stroke; fecundity; RXR; ds.
XX
OS Homo sapiens.
XX
PN WO200268386-A2.
XX
PD 06-SEP-2002.
XX

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PF 27-FEB-2002; 2002WO-US003408.
XX
PR
PR 27-FEB-2001; 2001US-0271412P.
XX
XX (UYJO ) UNIV JOHNS HOPKINS.
PA
XX Park BH, Kinzler KW, Vogelstein B;
XX WPI; 2002-691649/74.
XX
XX Homozygous PPAR gene-defective cell line, useful for treating
PT inflammation and cancer and disorders associated with premature cell
PT death such as Alzheimer's disease, AIDS, muscular dystrophy, autoimmune
PT diseases and heart attacks.
XX
XX Example 2; Fig 6; 33pp; English.
XX
XX The invention relates to a novel homozygous peroxisome proliferator-
CC activated receptor delta (PPARdelta) gene-defective cell line. The
CC compositions of the invention have neurotropic, neuroprotective, anti-HIV,
CC cardiant, cytostatic, antiinflammatory, immunosuppressive, and
CC cerebroprotective activity. The cell lines may have a use in gene
CC therapy. The methods and compositions are useful for treating
CC inflammation and cancer and other disorders with increased cell
CC proliferation or in which cells are dying prematurely such as Alzheimer's
CC disease, AIDS, muscular dystrophy, autoimmune diseases, heart attack and
CC stroke, improving fecundity and/or ameliorating toxic effects of non-
CC steroidal antiinflammatory drugs. The sequence represents a PCR product
CC of an oligonucleotide template that bound a fusion protein containing the
CC DNA binding domain of RXR
XX
XX Sequence 11 BP; 2 A; 3 C; 2 G; 4 T; 0 U; 0 Other;
SQ
Query Match 12.9%; Score 9.4; DB 1; Length 11;
Best Local Similarity 90.9%; Pred. No. 1.2e+03;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 900 CCTGGTCAATT 910
Db 1 CCTGGTCAATT 11
|||||
RESULT 1404
AAD34267
ID AAD34267 standard; DNA; 11 BP.
XX
XX AAD34267;
AC
XX 16-JUL-2002 (first entry)
DT
XX Human CYP2D6 gene polymorphic site 942 detecting sense 5' oligo.
DE
XX Human; cytochrome P450 2D6; CYP2D6; enzyme; detection; xenobiotic;
KW ligase-based sequenced determination; drug metabolism; chromosome 22; ss.
XX
XX Homo sapiens.
OS
XX WO200218638-A2.
PN
XX 07-MAR-2002.
PD
XX
XX 27-AUG-2001; 2001WO-7B001544.
PF
XX
XX 30-AUG-2000; 2000GB-00021286.
PR
XX (GEMT-) GEMINI GENOMICS PLC.
PA
XX Risinger C, Andersson MK, Lewander T, Olliason E;
PI WPI; 2002-329785/36.
XX
XX New sequence determination oligonucleotides, useful for detecting
PT polymorphic sites in a 5' flanking region of a CYP2D6 gene, as
PT
```

```
PT hybridization probes, as components of diagnostic assays, or in ligase-
PT based sequence determination.
XX
XX Claim 2; Page 23; 63pp; English.
PS
XX The invention relates to sequence determination oligonucleotides for
CC detecting polymorphic sites in a 5' flanking region of cytochrome P450
CC 2D6 (CYP2D6) gene. CYP2D6 enzymes are involved in the metabolism of many
CC different xenobiotics. Human CYP2D6 gene is located on chromosome 22. The
CC oligonucleotides may be used as in situ hybridisation probes, in ligase-
CC based sequenced determination, as components of diagnostic assays, as
CC probes in sequence determination methods based on mismatches, as
CC hybridisation-based diagnostic assays, and as components of diagnostic
CC microarray. CYP2D6 is useful to predict variations in an individual's
CC ability to metabolise certain drugs. The present sequence is a sense
CC oligonucleotide used for detecting of human CYP2D6 gene 5' flanking
CC region single nucleotide polymorphism (SNP)
XX
XX Sequence 11 BP; 1 A; 1 C; 3 G; 6 T; 0 U; 0 Other;
SQ
Query Match 12.9%; Score 9.4; DB 1; Length 11;
Best Local Similarity 90.9%; Pred. No. 1.2e+03;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 903 GGTCATTTCCT 913
Db 1 GGTCATTTCCT 11
|||||
RESULT 1405
ABK99388
ID ABK99388 standard; DNA; 11 BP.
XX
XX ABK99388;
AC
XX 21-OCT-2002 (first entry)
DT
XX Human CYP3A5 gene polymorphic variant DNA sequence #21.
DE
XX Human; CYP3A5; polymorphism; cancer; cardiovascular disease; diabetes;
KW AIDS; African American; forensic marker; pharmacological; cytostatic;
KW antidiabetic; anti-HIV; gene therapy; ds.
XX
XX Homo sapiens.
OS
XX WO200253775-A2.
PN
XX 11-JUL-2002.
PD
XX 21-DEC-2001; 2001WO-EP015290.
PF
XX 28-DEC-2000; 2000EP-00128627.
PR
XX 28-DEC-2000; 2000US-0258684P.
PR
XX 29-DEC-2000; 2000US-0258952P.
PR
XX 16-JAN-2001; 2001EP-00100172.
PR
XX 18-JAN-2001; 2001US-0262859P.
PR
XX 16-AUG-2001; 2001EP-00118884.
PR
XX 16-AUG-2001; 2001US-0312825P.
XX
XX (EPID-) EPIDAUROS BIOTECHNOLOGIE AG.
PA
XX Wojnowski L, Haberl M, Husted E;
PI WPI; 2002-583628/62.
XX
XX Novel CYP3A5 polymolecule useful for diagnosis and treatment of cancer,
PT cardiovascular diseases, diabetes and AIDS, and for identifying
PT polymorphisms.
XX
XX Claim 1; Page 49; 138pp; English.
XX
XX The present invention relates to a new CYP3A5 polymolecule encoding a
CC polypeptide, where the polynucleotide is capable of hybridising to a
CC
```

CC CYP3A5 gene. The invention is useful in an in vitro method for
CC identifying a polymorphism. The invention is also useful for
CC diagnosing a disorder related to the presence of a molecular variant of a
CC CYP3A5 or susceptibility to such a disorder, where the disorder is
CC cancer, or diseases including cardiovascular diseases, diabetes and AIDS.
CC The invention can further be used for the preparation of a diagnostic
CC composition for diagnosing a disease in a subject having a genome
CC comprising a variant allele of the CYP3A5 gene, where the subject is an
CC African American. The molecules of the invention are as forensic markers
CC and in pharmacological studies. The present nucleic acid sequence
CC represents a human CYP3A5 gene polymorphism variant DNA sequence, as
CC described in the invention

SQ Sequence 11 BP; 1 A; 2 C; 1 G; 7 T; 0 U; 0 Other;

Query Match 12.9%; Score 9.4; DB 1; Length 11;
Best Local Similarity 90.9%; Pred. No. 1.2e+03;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 911 TCTTTGGTCTT 921

Db 1 TCTTTGATCTT 11

RESULT 1406

AAAX14622/c

ID AAX14622 standard; DNA; 12 BP.

AC AAX14622;

DT 24-MAR-1999 (first entry)

XX Triple helix forming nucleotides 6650-6661 of the c-myc gene.

DE Triple-helix forming region; Triplex formation; DNA detection;

KW identification; bacteria; oncogene; virus; ds.

OS Homo sapiens.

XX US5861244-A.

PN 19-JAN-1999.

PD 22-DEC-1993; 93US-00173489.

PP 29-OCT-1992; 92US-00968436.

PR (PROF-) PROFILE DIAGNOSTIC SCI INC.

PA Hepburn AG, Wang C;

PI WPI; 1999-130384/11.

XX Assay of genetic sequences based on triplex formation from double

PT stranded analyte - and hybrid of anchor and reporter sequences, with

PT reporter released if triplex formation occurs, used e.g. to identify

PT bacteria.

XX Disclosure; Col 13-14; 168pp; English.

XX The present sequence represents a potential triple-helix forming region.

XX It can be used to demonstrate the assay of the invention. The assay

XX comprises adding a sample containing double-stranded DNA test sequences,

XX e.g. containing the present sequence, to an aqueous medium containing at

XX least one complex of anchor DNA, attached to a solid support, and

XX reporter DNA, where either a part of the anchor DNA or reporter DNA is

XX designed to form a triple-strand structure with part of the test

XX sequence. Triplex formation results in displacement of the reporter DNA

XX which is detected as an indication of the presence of the DNA test

XX sequence. The method is used to detect DNA sequences, particularly for

XX identification of bacteria (by detecting genes for ribosomal RNA) in

XX clinical samples, but also detection of oncogenes and Hepatitis B virus

XX

SQ Sequence 12 BP; 7 A; 0 C; 5 G; 0 T; 0 U; 0 Other;

Query Match 12.9%; Score 9.4; DB 1; Length 12;
Best Local Similarity 90.9%; Pred. No. 1.2e+03;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 931 TCCTCTCTCTT 941

Db 12 TCCTCTCTCTT 2

RESULT 1407

AAAX14829

ID AAX14829 standard; DNA; 12 BP.

AC AAX14829;

DT 24-MAR-1999 (first entry)

XX Triple helix third strand of 23S rRNA gene nucleotides 212-223.

DE Triplex formation; DNA detection; triple helix; identification; bacteria;

KW oncogene; virus; ss.

XX Synthetic.

OS Escherichia coli.

XX US5861244-A.

PN 19-JAN-1999.

PD 22-DEC-1993; 93US-00173489.

PP 29-OCT-1992; 92US-00968436.

PR (PROF-) PROFILE DIAGNOSTIC SCI INC.

PA Hepburn AG, Wang C;

PI WPI; 1999-130384/11.

XX Assay of genetic sequences based on triplex formation from double

PT stranded analyte - and hybrid of anchor and reporter sequences, with

PT reporter released if triplex formation occurs, used e.g. to identify

PT bacteria.

XX Disclosure; Col 21-22; 168pp; English.

XX The present sequence represents a polynucleotide that is able to form a

XX triple helix with a double stranded sequence. Cytosine bases in the

XX present can be replaced with 5-methylcytosine for increased triplex

XX stability. The present sequence is used in the assay of the invention,

XX where it can be part of the anchor DNA or reporter DNA sequence. The

XX assay comprises adding a sample containing double-stranded DNA test

XX sequences to an aqueous medium containing at least one complex of anchor

XX DNA, attached to a solid support, and reporter DNA, where either a part

XX of the anchor DNA or reporter DNA is designed to form a triple-strand

XX structure with part of the test sequence. Triplex formation results in

XX displacement of the reporter DNA which is detected as an indication of

XX the presence of the DNA test sequence. The method is used to detect DNA

XX sequences, particularly for identification of bacteria (by detecting

XX genes for ribosomal RNA) in clinical samples, but also detection of

XX oncogenes and Hepatitis B virus

XX

SQ Sequence 12 BP; 0 A; 4 C; 0 G; 8 T; 0 U; 0 Other;

Query Match 12.9%; Score 9.4; DB 1; Length 12;
Best Local Similarity 90.9%; Pred. No. 1.2e+03;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 905 TCATTTCCTTT 915

Db 2 TCATTTCCTTT 12

```

RESULT 1408
AAH23548
ID AAH23548 standard; DNA; 12 BP.
XX
AC AAH23548;
XX
DT 03-AUG-2001 (first entry)
XX
DE Antibacterial peptide nucleic acid oligonucleotide #57.
XX
DE Peptide nucleic acid; PNA; antimicrobial; antibiotic; cationic peptide;
XX
KW antisense; disinfectant; ss.
XX
OS Synthetic.
XX
FH Key Location/Qualifiers
FT modified_base 1 /*tag= a
FT /mod_base= OTHER
FT /note= "linked to AAB99988 by 8-amino-3,6-dioxaoctanoic
FT acid"
XX
PN WO200127262-A1.
XX
XX
XX 19-APR-2001.
XX
XX 13-OCT-2000; 2000WO-DK000581.
XX
XX 13-OCT-1999; 99DK-00001468.
XX
XX 15-OCT-1999; 99US-0159683P.
XX
XX (PANT-) PANTHECO AS.
XX
XX Nielsen PE, Schou C, Wissenbach M;
XX
XX WPI; 2001-290722/30.
XX
XX Identifying target genes in a microorganism (e.g. Escherichia coli) as a
XX basis for anti-infective treatment comprises selecting potential targets
XX known to be present and obtaining complementary (antisense) peptide
XX nucleic acid sequences.
XX
XX Example 3; Page 35; 57pp; English.
XX
XX The present invention describes a method of identifying target genes, for
XX use in anti-infective treatments, in a microorganism, involving obtaining
XX antisense peptide nucleic acid (PNA) sequences for potential target
XX genes, mixing them with the organism in culture and comparing the growth
XX in the presence and absence of the antisense PNA sequence, where a useful
XX target gene is one which results in decreased growth when blocked by the
XX antisense sequence. Antisense oligonucleotides are linked to cationic
XX peptides via a linking group for use as antimicrobial compounds,
XX particularly as antibiotics. The present sequence is an oligonucleotide
XX useful as the antisense portion of a PNA in the present invention
XX
XX Sequence 12 BP; 3 A; 4 C; 2 G; 3 T; 0 U; 0 Other;
XX
Query Match 12.9%; Score 9.4; DB 1; Length 12;
Best Local Similarity 90.9%; Pred. No. 1.2e+03;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
QY 954 GTATCCTACC 964
DB 1 GTATCCTACC 11
|||||
RESULT 1409
AB117707/C
ID AB117707 standard; DNA; 12 BP.
XX
XX AB117707;

```

```

XX
DT 22-FEB-2002 (first entry)
XX
DE Oligonucleotide primer SEQ ID NO 317680 for detecting SNP TSC0028168.
XX
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
XX 06-APR-2001; 2001WO-IB000713.
XX
XX 07-APR-2000; 2000DE-01019173.
XX
XX (EPIG-) EPIGENOMICS AG.
XX
XX Olek A, Piepenbrock C, Berlin K;
XX
XX WPI; 2001-657177/75.
XX
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
XX designed to detect single-nucleotide polymorphisms and cytosine
XX methylation status.
XX
XX Claim 1; SEQ ID NO 317680; 29pp + Sequence Listing; German.
XX
XX This invention describes novel oligonucleotide primers or peptide nucleic
XX acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
XX and cytosine methylation status in chemically pretreated genomic DNA. The
XX oligonucleotides are used for diagnosis and/or prognosis of cancer and a
XX range of diseases including immune system, gastrointestinal, respiratory,
XX central nervous system, cardiovascular and metabolic disorders. The
XX oligomers are also used for detecting cell type differentiation. ABC00010
XX -ABC9989, ABF00010-ABF9989, ABH00010-ABH9989 and ABI00010-ABI82073
XX represent the oligomers described in the invention. NOTE: The sequence
XX data for this patent did not form part of the printed specification, but
XX was obtained in electronic format from WIPO at
XX ftp.wipo.int/pub/published_pct_sequences
XX
XX Sequence 12 BP; 8 A; 2 C; 0 G; 2 T; 0 U; 0 Other;
XX
Query Match 12.9%; Score 9.4; DB 1; Length 12;
Best Local Similarity 90.9%; Pred. No. 1.2e+03;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
QY 945 TGGTTTAATGT 955
DB 12 TGGTTTAATTT 2
|||||
RESULT 1410
AB124131
ID AB124131 standard; DNA; 12 BP.
XX
XX AB124131;
XX
XX 22-FEB-2002 (first entry)
XX
XX Oligonucleotide primer SEQ ID NO 324104 for detecting SNP TSC0031802.
XX
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX

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PD 18-OCT-2001.
XX
XX 06-APR-2001; 2001WO-IB000713.
XX
XX 07-APR-2000; 2000DE-01019173.
XX
PPA (EPIG-) EPIGENOMICS AG.
XX
XX Olek A, Piepenbrock C, Berlin K;
XX WPI; 2001-657177/75.
XX
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
XX Claim 1; SEQ ID NO 324104; 29pp + Sequence Listing; German.
XX
XX This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABCO0010
CC -ABG99989, ABFO0010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
XX Sequence 12 BP; 2 A; 1 C; 0 G; 9 T; 0 U; 0 Other;
SQ
Query Match 12.9%; Score 9.4; DB 1; Length 12;
Best Local Similarity 90.9%; Pred.No.1.2e+03;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
QY 905 TCATTTCCTTT 915
Ddb 1 TAATTTTCCTT 11
| | | | |
| | | | |
RESULT 1411
ABH74276
ID ABH74276 standard; DNA; 12 BP.
AC ABH74276;
XX
XX DT 22-FEB-2002 (first entry)
XX
XX DE Oligonucleotide primer SEQ ID NO 274261 for detecting SNP TSC0003493.
XX
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX OS Homo sapiens.
XX
XX WO200177384-A2.
XX
XX 18-OCT-2001.
XX
XX 06-APR-2001; 2001WO-IB000713.
XX
XX 07-APR-2000; 2000DE-01019173.
XX
XX (EPIG-) EPIGENOMICS AG.
XX
XX Olek A, Piepenbrock C, Berlin K;
XX WPI; 2001-657177/75.
XX
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.

```

CC represent the oligomers described in the invention. NOTE: The sequence data for this patent did not form part of the printed specification, but CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences

XX SQ Sequence 12 BP; 2 A; 0 C; 2 G; 8 T; 0 U; 0 Other;

Query Match 12.9%; Score 9.4; DB 1; Length 12;
Best Local Similarity 90.9%; Pred. No. 1.2e+03;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 943 ATTGGTTTAAAT 953

Db 1 ATTGGTTTAT 11

RESULT 1413

ABI27706
ID ABI27706 standard; DNA; 12 BP.

XX AC ABI27706;

XX DT 22-FEB-2002 (first entry)

XX DE Oligonucleotide primer SEQ ID NO 327679 for detecting SNP TSC0033822.

XX SN; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX central nervous system; gastrointestinal; respiratory; immune; metabolic.

XX OS Homo sapiens.

XX PN WO200177384-A2.

XX PD 18-OCT-2001.

XX PF 06-APR-2001; 2001WO-IB000713.

XX PR 07-APR-2000; 2000DE-01019173.

XX PA (EPIG-) EPIGENOMICS AG.

XX PI Olek A, Piepenbrock C, Berlin K;

XX DR WPI; 2001-657177/75.

XX PT Set of oligonucleotides, useful for diagnosis and cell typing, is
XX designed to detect single-nucleotide polymorphisms and cytosine
XX methylation status.

XX PS Claim 1; SEQ ID NO 327679; 29pp + Sequence Listing; German.

XX CC This invention describes novel oligonucleotide primers or peptide nucleic
XX acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
XX and cytosine methylation status in chemically pretreated genomic DNA. The
XX oligonucleotides are used for diagnosis and/or prognosis of cancer and a
XX range of diseases including immune system, gastrointestinal, respiratory,
XX central nervous system, cardiovascular and metabolic disorders. The
XX oligomers are also used for detecting cell type differentiation. ABC00010
XX -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
XX represent the oligomers described in the invention. NOTE: The sequence
XX data for this patent did not form part of the printed specification, but
XX was obtained in electronic format from WIPO at
XX ftp.wipo.int/pub/published_pct_sequences

XX SQ Sequence 12 BP; 0 A; 1 C; 4 G; 7 T; 0 U; 0 Other;

Query Match 12.9%; Score 9.4; DB 1; Length 12;
Best Local Similarity 90.9%; Pred. No. 1.2e+03;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 914 TTGGTCTTTC 924

Db 1 TTGGTCTTTC 11

RESULT 1414

ABI02625/C

XX AC ABI02625;

XX DT 22-FEB-2002 (first entry)

XX DE Oligonucleotide primer SEQ ID NO 302598 for detecting SNP TSC0020076.

XX SN; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX central nervous system; gastrointestinal; respiratory; immune; metabolic.

XX OS Homo sapiens.

XX PN WO200177384-A2.

XX PD 18-OCT-2001.

XX PF 06-APR-2001; 2001WO-IB000713.

XX PR 07-APR-2000; 2000DE-01019173.

XX PA (EPIG-) EPIGENOMICS AG.

XX PI Olek A, Piepenbrock C, Berlin K;

XX DR WPI; 2001-657177/75.

XX PT Set of oligonucleotides, useful for diagnosis and cell typing, is
XX designed to detect single-nucleotide polymorphisms and cytosine
XX methylation status.

XX PS Claim 1; SEQ ID NO 302598; 29pp + Sequence Listing; German.

XX CC This invention describes novel oligonucleotide primers or peptide nucleic
XX acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
XX and cytosine methylation status in chemically pretreated genomic DNA. The
XX oligonucleotides are used for diagnosis and/or prognosis of cancer and a
XX range of diseases including immune system, gastrointestinal, respiratory,
XX central nervous system, cardiovascular and metabolic disorders. The
XX oligomers are also used for detecting cell type differentiation. ABC00010
XX -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
XX represent the oligomers described in the invention. NOTE: The sequence
XX data for this patent did not form part of the printed specification, but
XX was obtained in electronic format from WIPO at
XX ftp.wipo.int/pub/published_pct_sequences

XX SQ Sequence 12 BP; 6 A; 3 C; 0 G; 3 T; 0 U; 0 Other;

Query Match 12.9%; Score 9.4; DB 1; Length 12;
Best Local Similarity 90.9%; Pred. No. 1.2e+03;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 946 GGTTTAATGTA 956

Db 12 GGTTTAATGTA 2

RESULT 1415

ABH79215/C

XX ID ABH79215 standard; DNA; 12 BP.

XX AC ABH79215;

XX DT 22-FEB-2002 (first entry)

XX DE Oligonucleotide primer SEQ ID NO 279208 for detecting SNP TSC0007060.

XX	SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW	peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW	central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX	
OS	homo sapiens.
XX	
XX	WO200177384-A2.
PN	
XX	18-OCT-2001.
PD	
XX	
XX	06-APR-2001; 2001WO-IB0000713.
PF	
XX	
XX	07-APR-2000; 2000DE-01019173.
PR	
XX	
XX	(EPIG-) EPIGENOMICS AG.
PA	
XX	
XX	Olek A, Piepenbrock C, Berlin K;
PI	
XX	WPI; 2001-657177/75.
DR	
XX	
XX	Set of oligonucleotides, useful for diagnosis and cell typing, is
PT	designed to detect single-nucleotide polymorphisms and cytosine
PT	methylation status.
XX	
XX	Claim 1; SEQ ID NO 279208; 29pp + Sequence Listing; German.
PS	
XX	
CC	This invention describes novel oligonucleotide primers or peptide nucleic
CC	acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC	and cytosine methylation status in chemically pretreated genomic DNA. The
CC	oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC	range of diseases including immune system, gastrointestinal, respiratory,
CC	central nervous system, cardiovascular and metabolic disorders. The
CC	oligomers are also used for detecting cell type differentiation. ABC00010
CC	-ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABIO0010-ABIO2073
CC	represent the oligomers described in the invention. NOTE: The sequence
CC	data for this patent did not form part of the printed specification, but
CC	was obtained in electronic format from WIPO at
CC	ftp.wipo.int/pub/published_pct_sequences
XX	
XX	Sequence 12 BP; 8 A; 4 C; 0 G; 0 T; 0 U; 0 Other;

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Query Match          12.9%; Score 9.4; DB 1; Length 12;
Best Local Similarity 90.9%; Pred.No.1.2e+03;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY      913 TTTGGTCTTTG 923
          ||||| ||||
Db       12 TTTGGTCTTTG 2

RESULT 1416
ABI06994
ID ABI06994 standard; DNA; 12 BP.
XX XX
AC ABI06994;
XX XX
XX XX
DT 22-FEB-2002 (first entry)
XX XX
DE Oligonucleotide primer SEQ ID NO 305967 for detecting SNP TSC0022272.
XX XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX XX
OS Homo sapiens.
XX XX
DN WO200177384-A2.
XX XX
PD 18-OCT-2001.
XX XX
XX 06-APR-2001; 2001WO-IB000713.
XX XX
XX 07-APR-2000; 2000DE-01019173.
XX PR

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XX (EPIG-) EPIGENOMICS AG.
XX Olek A, Piepenbrock C, Berlin K;
XX WPI; 2001-657177/75.
XX
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
XX Claim 1; SEQ ID NO 306967; 29pp + Sequence Listing; German.
XX
XX This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC9989, ABF00010-ABF9989, ABH00010-ABH9989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
XX ftp.wipo.int/pub/published_pct_sequences
XX
XX Sequence 12 BP; 1 A; 5 C; 0 G; 6 T; 0 U; 0 Other;
XX
XX Query Match 12.9%; Score 9.4; DB 1; Length 12;
XX Best Local Similarity 90.9%; Pred.No. 1.2e+03;
XX Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
XX
XX Qy 924 CCCTTTATCCC 934
XX DB 2 CCCTTTATCC 12
XX
XX RESULT 1417
XX ABI07320/C
XX ID ABI07320 standard; DNA; 12 BP.
XX
XX AC ABI07320;
XX
XX DT 22-FEB-2002 (first entry)
XX
XX DE Oligonucleotide primer SEQ ID NO 307293 for detecting SNP TSC0022421.
XX
XX KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
XX OS Homo sapiens.
XX
XX PN WO200177384-A2.
XX
XX PD 18-OCT-2001.
XX
XX PF 06-APR-2001; 2001WO-IB000713.
XX
XX PR 07-APR-2000; 2000DE-01019173.
XX
XX PA (EPIG-) EPIGENOMICS AG.
XX
XX PI Olek A, Piepenbrock C, Berlin K;
XX
XX DR WPI; 2001-657177/75.
XX
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
XX Claim 1; SEQ ID NO 307293; 29pp + Sequence Listing; German.
XX

CC This invention describes novel oligonucleotide primers or peptide nucleic
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
 CC and cytosine methylation status in chemically pretreated genomic DNA. The
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
 CC range of diseases including immune system, gastrointestinal, respiratory,
 CC central nervous system, cardiovascular and metabolic disorders. The
 CC oligomers are also used for detecting cell type differentiation. ABC00010
 CC -ABC9989, ABF00010-ABF9989, ABH00010-ABH9989 and ABT00010-ABT82073
 CC represent the oligomers described in the invention. NOTE: The sequence
 CC data for this patent did not form part of the printed specification, but
 CC was obtained in electronic format from WIPO at
 CC ftp.wipo.int/pub/published_pct_sequences

XX SQ Sequence 12 BP; 4 A; 1 C; 5 G; 2 T; 0 U; 0 Other;

Query Match 12.9%; Score 9.4; DB 1; Length 12;
 Best Local Similarity 90.9%; Pred. No. 1.2e+03;
 Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 929 TATCCCTCCTC 939
 Db 12 TATCCCTACTC 2
 |||||

RESULT 1418
 ABH86106/c
 ID ABH86106 standard; DNA; 12 BP.
 XX AC ABH86106;
 XX DT 22-FEB-2002 (first entry)
 XX DE Oligonucleotide primer SEQ ID NO 286099 for detecting SNP TSC0012578.
 XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
 XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
 XX central nervous system; gastrointestinal; respiratory; immune; metabolic.
 XX OS Homo sapiens.
 XX PN WO200177384-A2.
 XX PD 18-OCT-2001.
 XX PF 06-APR-2001; 2001WO-IB000713.
 XX PR 07-APR-2000; 2000DE-01019173.
 XX PA (EPIG-) EPIGENOMICS AG.
 XX PI Olek A, Piepenbrock C, Berlin K;
 XX WPI; 2001-657177/75.
 XX Set of oligonucleotides, useful for diagnosis and cell typing, is
 XX designed to detect single-nucleotide polymorphisms and cytosine
 XX methylation status.
 XX Claim 1; SEQ ID NO 286099; 29pp + Sequence Listing; German.

CC This invention describes novel oligonucleotide primers or peptide nucleic
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
 CC and cytosine methylation status in chemically pretreated genomic DNA. The
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
 CC range of diseases including immune system, gastrointestinal, respiratory,
 CC central nervous system, cardiovascular and metabolic disorders. The
 CC oligomers are also used for detecting cell type differentiation. ABC00010
 CC -ABC9989, ABF00010-ABF9989, ABH00010-ABH9989 and ABT00010-ABT82073
 CC represent the oligomers described in the invention. NOTE: The sequence
 CC data for this patent did not form part of the printed specification, but
 CC was obtained in electronic format from WIPO at
 CC ftp.wipo.int/pub/published_pct_sequences

SQ Sequence 12 BP; 8 A; 0 C; 3 G; 1 T; 0 U; 0 Other;

Query Match 12.9%; Score 9.4; DB 1; Length 12;
 Best Local Similarity 90.9%; Pred. No. 1.2e+03;
 Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 935 TCCTCTTCATT 945
 Db 11 TCCTCTTCATT 1
 |||||

RESULT 1419
 ABI37545/c
 ID ABI37545 standard; DNA; 12 BP.
 XX AC ABI37545;
 XX DT 22-FEB-2002 (first entry)
 XX DE Oligonucleotide primer SEQ ID NO 337518 for detecting SNP TSC0039907.
 XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
 XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
 XX central nervous system; gastrointestinal; respiratory; immune; metabolic.
 XX OS Homo sapiens.
 XX PN WO200177384-A2.
 XX PD 18-OCT-2001.
 XX PF 06-APR-2001; 2001WO-IB000713.
 XX PR 07-APR-2000; 2000DE-01019173.
 XX PA (EPIG-) EPIGENOMICS AG.
 XX PI Olek A, Piepenbrock C, Berlin K;
 XX WPI; 2001-657177/75.
 XX Set of oligonucleotides, useful for diagnosis and cell typing, is
 XX designed to detect single-nucleotide polymorphisms and cytosine
 XX methylation status.
 XX Claim 1; SEQ ID NO 337518; 29pp + Sequence Listing; German.

CC This invention describes novel oligonucleotide primers or peptide nucleic
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
 CC and cytosine methylation status in chemically pretreated genomic DNA. The
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
 CC range of diseases including immune system, gastrointestinal, respiratory,
 CC central nervous system, cardiovascular and metabolic disorders. The
 CC oligomers are also used for detecting cell type differentiation. ABC00010
 CC -ABC9989, ABF00010-ABF9989, ABH00010-ABH9989 and ABT00010-ABT82073
 CC represent the oligomers described in the invention. NOTE: The sequence
 CC data for this patent did not form part of the printed specification, but
 CC was obtained in electronic format from WIPO at
 CC ftp.wipo.int/pub/published_pct_sequences

XX SQ Sequence 12 BP; 6 A; 3 C; 0 G; 3 T; 0 U; 0 Other;

Query Match 12.9%; Score 9.4; DB 1; Length 12;
 Best Local Similarity 90.9%; Pred. No. 1.2e+03;
 Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 945 TGGTTTAAGT 955
 Db 12 TGGTTTAAGT 2
 |||||

RESULT 1420
 ABI38144

XX	WO200177384-A2.
XX	18-OCT-2001.
XX	06-APR-2001; 2001WO-IB000713.
XX	07-APR-2000; 2000DE-01019173.
XX	(EPIG-) EPIGENOMICS AG.
XX	Olek A, Piepenbrock C, Berlin K;
XX	WPI; 2001-657177/75.
XX	Set of oligonucleotides, useful for diagnosis and cell typing, is designed to detect single-nucleotide polymorphisms and cytosine methylation status.
XX	Claim 1; SEQ ID NO 340225; 29pp + Sequence Listing; German.
CC	This invention describes novel oligonucleotide primers or peptide nucleic acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP) and cytosine methylation status in chemically pretreated genomic DNA. The oligonucleotides are used for diagnosis and/or prognosis of cancer and a range of diseases including immune system, gastrointestinal, respiratory, central nervous system, cardiovascular and metabolic disorders. The oligomers are also used for detecting cell type differentiation. ABC00010 -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073 represent the oligomers described in the invention. NOTE: The sequence data for this patent did not form part of the printed specification, but was obtained in electronic format from WIPO at ftp.wipo.int/pub/published_pct_sequences
XX	Sequence 12 BP; 8 A; 3 C; 0 G; 1 T; 0 U; 0 Other;
QY	Query Match 12.9%; Score 9.4; DB 1; Length 12; Best Local Similarity 90.9%; Pred. No. 1.2e+03; Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0
Db	940 TTCATTGGTTT 950 11 TTATTTGTTT 1
RESULT 1422	
ID	ABH91147
AC	ABH91147 standard; DNA; 12 BP.
DT	22-FEB-2002 (first entry)
XX	Oligonucleotide primer SEQ ID NO 291140 for detecting SNP TSC0014656.
XX	SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS; peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss; central nervous system; gastrointestinal; respiratory; immune; metabolic.
OS	Homo sapiens.
XX	WO200177384-A2.
XX	18-OCT-2001.
XX	06-APR-2001; 2001WO-IB000713.
XX	07-APR-2000; 2000DE-01019173.
XX	(EPIG-) EPIGENOMICS AG.
XX	Olek A, Piepenbrock C, Berlin K;
XX	WPI; 2001-657177/75.
XX	Set of oligonucleotides, useful for diagnosis and cell typing, is designed to detect single-nucleotide polymorphisms and cytosine methylation status.
XX	Claim 1; SEQ ID NO 338117; 29pp + Sequence Listing; German.
CC	This invention describes novel oligonucleotide primers or peptide nucleic acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP) and cytosine methylation status in chemically pretreated genomic DNA. The oligonucleotides are used for diagnosis and/or prognosis of cancer and a range of diseases including immune system, gastrointestinal, respiratory, central nervous system, cardiovascular and metabolic disorders. The oligomers are also used for detecting cell type differentiation. ABC00010 -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073 represent the oligomers described in the invention. NOTE: The sequence data for this patent did not form part of the printed specification, but was obtained in electronic format from WIPO at ftp.wipo.int/pub/published_pct_sequences
XX	Sequence 12 BP; 4 A; 0 C; 1 G; 7 T; 0 U; 0 Other;
QY	Query Match 12.9%; Score 9.4; DB 1; Length 12; Best Local Similarity 90.9%; Pred. No. 1.2e+03; Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0
Db	947 GTTAAATGTAT 957 1 GTTAAATTTAT 11
RESULT 1421	
ID	ABI40252/c
AC	ABI40252 standard; DNA; 12 BP.
DT	22-FEB-2002 (first entry)
XX	Oligonucleotide primer SEQ ID NO 340225 for detecting SNP TSC0041411.
XX	SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS; peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss; central nervous system; gastrointestinal; respiratory; immune; metabolic.
OS	Homo sapiens.

DR WPI; 2001-657177/75.
 XX Set of oligonucleotides, useful for diagnosis and cell typing, is
 PT designed to detect single-nucleotide polymorphisms and cytosine
 PT methylation status.
 XX Claim 1; SEQ ID NO 291140; 29pp + Sequence Listing; German.
 XX This invention describes novel oligonucleotide primers or peptide nucleic
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
 CC and cytosine methylation status in chemically pretreated genomic DNA. The
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
 CC range of diseases including immune system, gastrointestinal, respiratory,
 CC central nervous system, cardiovascular and metabolic disorders. The
 CC oligomers are also used for detecting cell type differentiation. ABC00010
 CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
 CC represent the oligomers described in the invention. NOTE: The sequence
 CC data for this patent did not form part of the printed specification, but
 CC was obtained in electronic format from WIPO at
 CC ftp.wipo.int/pub/published_pct_sequences
 XX
 SQ Sequence 12 BP; 1 A; 0 C; 3 G; 8 T; 0 U; 0 Other;
 Query Match 12.9%; Score 9.4; DB 1; Length 12;
 Best Local Similarity 90.9%; Pred. No. 1.2e+03;
 Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
 QY 908 TTTTCTTTGGT 918
 Db 2 TTTTATTGGT 12
 |||||
 |||||
 RESULT 1423
 ABI45362/c
 ID ABI45362 standard; DNA; 12 BP.
 XX
 AC ABI45362;
 XX
 DT 22-FEB-2002 (first entry)
 DE Oligonucleotide primer SEQ ID NO 345335 for detecting SNP TSC0043980.
 XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
 KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
 KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
 XX
 OS Homo sapiens.
 XX
 PN WO200177384-A2.
 XX
 PD 18-OCT-2001.
 XX
 PF 06-APR-2001; 2001WO-IB000713.
 XX
 PR 07-APR-2000; 2000DE-01019173.
 XX
 PA (EPIG-) EPIGENOMICS AG.
 XX
 PI Olek A, Piepenbrock C, Berlin K;
 XX
 DR WPI; 2001-657177/75.
 XX
 PT Set of oligonucleotides, useful for diagnosis and cell typing, is
 PT designed to detect single-nucleotide polymorphisms and cytosine
 PT methylation status.
 XX Claim 1; SEQ ID NO 345335; 29pp + Sequence Listing; German.
 XX This invention describes novel oligonucleotide primers or peptide nucleic
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
 CC and cytosine methylation status in chemically pretreated genomic DNA. The
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
 CC range of diseases including immune system, gastrointestinal, respiratory,
 CC central nervous system, cardiovascular and metabolic disorders. The
 CC oligomers are also used for detecting cell type differentiation. ABC00010
 CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
 CC represent the oligomers described in the invention. NOTE: The sequence
 CC data for this patent did not form part of the printed specification, but
 CC was obtained in electronic format from WIPO at
 CC ftp.wipo.int/pub/published_pct_sequences
 XX
 SQ Sequence 12 BP; 1 A; 0 C; 3 G; 8 T; 0 U; 0 Other;
 Query Match 12.9%; Score 9.4; DB 1; Length 12;
 Best Local Similarity 90.9%; Pred. No. 1.2e+03;
 Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
 QY 908 TTTTCTTTGGT 918
 Db 2 TTTTATTGGT 12
 |||||
 |||||
 RESULT 1424
 ABI46192/c
 ID ABI46192 standard; DNA; 12 BP.
 XX
 AC ABI46192;
 XX
 DT 22-FEB-2002 (first entry)
 DE Oligonucleotide primer SEQ ID NO 346165 for detecting SNP TSC0007586.
 XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
 KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
 KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
 XX
 OS Homo sapiens.
 XX
 PN WO200177384-A2.
 XX
 PD 18-OCT-2001.
 XX
 PF 06-APR-2001; 2001WO-IB000713.
 XX
 PR 07-APR-2000; 2000DE-01019173.
 XX
 PA (EPIG-) EPIGENOMICS AG.
 XX
 PI Olek A, Piepenbrock C, Berlin K;
 XX
 DR WPI; 2001-657177/75.
 XX
 PT Set of oligonucleotides, useful for diagnosis and cell typing, is
 PT designed to detect single-nucleotide polymorphisms and cytosine
 PT methylation status.
 XX Claim 1; SEQ ID NO 346165; 29pp + Sequence Listing; German.
 XX This invention describes novel oligonucleotide primers or peptide nucleic
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
 CC and cytosine methylation status in chemically pretreated genomic DNA. The
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
 CC range of diseases including immune system, gastrointestinal, respiratory,
 CC central nervous system, cardiovascular and metabolic disorders. The
 CC oligomers are also used for detecting cell type differentiation. ABC00010
 CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
 CC represent the oligomers described in the invention. NOTE: The sequence
 CC data for this patent did not form part of the printed specification, but
 CC was obtained in electronic format from WIPO at
 CC ftp.wipo.int/pub/published_pct_sequences
 XX
 SQ Sequence 12 BP; 6 A; 2 C; 0 G; 4 T; 0 U; 0 Other;
 Query Match 12.9%; Score 9.4; DB 1; Length 12;
 Best Local Similarity 90.9%; Pred. No. 1.2e+03;
 Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

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QY      943 ATTGGTTTAAT 953
Db      12 ATTGGTTTAAT 2
|||||
RESULT 1425
ABI48656
ID      ABI48656 standard; DNA; 12 BP.
XX
AC      ABI48656;
XX
DT      22-FEB-2002 (first entry)
XX
DE      Oligonucleotide primer SEQ ID NO 348629 for detecting SNP TSC0045679.
XX
KW      SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW      peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW      central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS      Homo sapiens.
XX
PN      WO200177384-A2.
XX
PD      18-OCT-2001.
XX
PF      06-APR-2001; 2001WO-IB000713.
XX
PR      07-APR-2000; 2000DE-01019173.
XX
PA      (EPIC-) EPIGENOMICS AG.
XX
PI      Olek A, Piepenbrock C, Berlin K;
XX
WPI; 2001-657177/75.
XX
PT      Set of oligonucleotides, useful for diagnosis and cell typing, is
PT      designed to detect single-nucleotide polymorphisms and cytosine
PT      methylation status.
XX
PS      Claim 1; SEQ ID NO 348629; 29pp + Sequence Listing; German.
XX
CC      This invention describes novel oligonucleotide primers or peptide nucleic
CC      acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC      and cytosine methylation status in chemically pretreated genomic DNA. The
CC      oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC      range of diseases including immune system, gastrointestinal, respiratory,
CC      central nervous system, cardiovascular and metabolic disorders. The
CC      oligomers are also used for detecting cell type differentiation. ABC00010
CC      -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC      represent the oligomers described in the invention. NOTE: The sequence
CC      data for this patent did not form part of the printed specification, but
CC      ftp.wipo.int/pub/published_pct_sequences
XX
SQ      Sequence 12 BP; 4 A; 0 C; 3 G; 5 T; 0 U; 0 Other;
XX
Query Match      12.9%; Score 9.4; DB 1; Length 12;
Best Local Similarity 90.9%; Pred. No. 1.2e+03;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY      943 ATTGGTTTAAT 953
Db      2 ATTGGTTTAAT 12
|||||
RESULT 1426
ABI57722
ID      ABI57722 standard; DNA; 12 BP.
XX
AC      ABI57722;
XX
DT      22-FEB-2002 (first entry)
XX

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XX      Oligonucleotide primer SEQ ID NO 357695 for detecting SNP TSC0050739.
DE
XX      SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW      peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW      central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS      Homo sapiens.
XX
PN      WO200177384-A2.
XX
PD      18-OCT-2001.
XX
PF      06-APR-2001; 2001WO-IB000713.
XX
PR      07-APR-2000; 2000DE-01019173.
XX
PA      (EPIC-) EPIGENOMICS AG.
XX
PI      Olek A, Piepenbrock C, Berlin K;
XX
WPI; 2001-657177/75.
XX
PT      Set of oligonucleotides, useful for diagnosis and cell typing, is
PT      designed to detect single-nucleotide polymorphisms and cytosine
PT      methylation status.
XX
PS      Claim 1; SEQ ID NO 357695; 29pp + Sequence Listing; German.
XX
CC      This invention describes novel oligonucleotide primers or peptide nucleic
CC      acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC      and cytosine methylation status in chemically pretreated genomic DNA. The
CC      oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC      range of diseases including immune system, gastrointestinal, respiratory,
CC      central nervous system, cardiovascular and metabolic disorders. The
CC      oligomers are also used for detecting cell type differentiation. ABC00010
CC      -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC      represent the oligomers described in the invention. NOTE: The sequence
CC      data for this patent did not form part of the printed specification, but
CC      ftp.wipo.int/pub/published_pct_sequences
XX
SQ      Sequence 12 BP; 2 A; 0 C; 3 G; 7 T; 0 U; 0 Other;
XX
Query Match      12.9%; Score 9.4; DB 1; Length 12;
Best Local Similarity 90.9%; Pred. No. 1.2e+03;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY      945 TCGTTTAAATGT 955
Db      1 TCGTTTAAATTT 11
|||||
RESULT 1427
ABI73066/c
ID      ABI73066 standard; DNA; 12 BP.
XX
AC      ABI73066;
XX
DT      22-FEB-2002 (first entry)
XX
DE      Oligonucleotide primer SEQ ID NO 373039 for detecting SNP TSC0059805.
XX
KW      SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW      peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW      central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS      Homo sapiens.
XX
PN      WO200177384-A2.
XX
PD      18-OCT-2001.
XX

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PF 06-APR-2001; 2001WO-IB000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
DR WPI; 2001-657177/75.
XX
PT Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
PS Claim 1; SEQ ID NO 373039; 29pp + Sequence Listing; German.
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 12 BP; 6 A; 0 C; 4 G; 2 T; 0 U; 0 Other;
Query Match 12.9%; Score 9.4; DB 1; Length 12;
Best Local Similarity 90.9%; Pred. No. 1.2e+03;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 935 TCCTCTTCATT 945
DB 11 TCACATTCATT 1

RESULT 1428
ABI77084/C
ID ABI77084 standard; DNA; 12 BP.
XX
AC ABI77084;
XX
DT 22-FEB-2002 (first entry)
XX
DE Oligonucleotide primer SEQ ID NO 377057 for detecting SNP TSC0062124.
XX
SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
DT 22-FEB-2002 (first entry)
XX
DE Oligonucleotide primer SEQ ID NO 377057 for detecting SNP TSC0007505.
XX
SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
DT 06-APR-2001; 2001WO-IB000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
DR WPI; 2001-657177/75.
XX
PT Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
PS Claim 1; SEQ ID NO 379798; 29pp + Sequence Listing; German.
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 12 BP; 7 A; 1 C; 0 G; 4 T; 0 U; 0 Other;
Query Match 12.9%; Score 9.4; DB 1; Length 12;
Best Local Similarity 90.9%; Pred. No. 1.2e+03;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 943 ATTGTTTAAAT 953
DB 11 ATTGTTTAAAT 1

RESULT 1429
ABI79825/C
ID ABI79825 standard; DNA; 12 BP.
XX
AC ABI79825;
XX
DT 22-FEB-2002 (first entry)
XX
DE Oligonucleotide primer SEQ ID NO 379798 for detecting SNP TSC0007505.
XX
SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
DT 06-APR-2001; 2001WO-IB000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
DR WPI; 2001-657177/75.
XX
PT Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
PS Claim 1; SEQ ID NO 379798; 29pp + Sequence Listing; German.
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but

```



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CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 12 BP; 7 A; 0 C; 3 G; 2 T; 0 U; 0 Other;

Query Match      12.9%; Score 9.4; DB 1; Length 12;
Best Local Similarity 90.9%; Pred. No. 1.2e+03;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 926 TTTTATCCCTC 936
Db 12 TTTTATCCCTC 2

RESULT 1430
ABI66746/c
ID ABI66746 standard; DNA; 12 BP.
XX
AC ABI66746;
XX
DT 22-FEB-2002 (first entry)
XX
DE Oligonucleotide primer SEQ ID NO 366719 for detecting SNP TSC0055936.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB000713.
XX
PR 07-APR-2000; 2000DB-01019173.
XX
PA (EPIG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
WPI; 2001-657177/75.
XX
PT Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
PS Claim 1; SEQ ID NO 366719; 29pp + Sequence Listing; German.
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 12 BP; 6 A; 4 C; 0 G; 2 T; 0 U; 0 Other;

Query Match      12.9%; Score 9.4; DB 1; Length 12;
Best Local Similarity 90.9%; Pred. No. 1.2e+03;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 944 TTGGTTTAATG 954
Db 11 TTGGTTTAAGG 1

RESULT 1431
ABH67362
ID ABH67362 standard; DNA; 12 BP.
XX
AC ABH67362;
XX
DT 22-FEB-2002 (first entry)
XX
DE Oligonucleotide primer SEQ ID NO 267339 for detecting SNP TSC0000119.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB000713.
XX
PR 07-APR-2000; 2000DB-01019173.
XX
PA (EPIG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
WPI; 2001-657177/75.
XX
PT Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
PS Claim 1; SEQ ID NO 267339; 29pp + Sequence Listing; German.
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 12 BP; 1 A; 0 C; 3 G; 8 T; 0 U; 0 Other;

Query Match      12.9%; Score 9.4; DB 1; Length 12;
Best Local Similarity 90.9%; Pred. No. 1.2e+03;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 940 TTCATTGGTTT 950
Db 2 TTCATTGGTTT 12

RESULT 1432
ABI17924/c
ID ABI17924 standard; DNA; 12 BP.
XX
AC ABI17924;
XX
DT 22-FEB-2002 (first entry)
XX
DE Oligonucleotide primer SEQ ID NO 317897 for detecting SNP TSC0028333.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
```

XX central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX Homo sapiens.
XX WO200177384-A2.
XX 18-OCT-2001.
XX 06-APR-2001; 2001WO-IB000713.
XX 07-APR-2000; 2000DE-01019173.
XX (EPIG-) EPIGENOMICS AG.
XX Olek A, Piepenbrock C, Berlin K;
XX WPI; 2001-657177/75.
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
XX designed to detect single-nucleotide polymorphisms and cytosine
XX methylation status.
XX Claim 1; SEQ ID NO 317897; 29pp + Sequence Listing; German.
XX This invention describes novel oligonucleotide primers or peptide nucleic
XX acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
XX and cytosine methylation status in chemically pretreated genomic DNA. The
XX oligonucleotides are used for diagnosis and/or prognosis of cancer and a
XX range of diseases including immune system, gastrointestinal, respiratory,
XX central nervous system, cardiovascular and metabolic disorders. The
XX oligomers are also used for detecting cell type differentiation. ABC00010
XX -ABC9989, ABF00010-ABF9989, ABH00010-ABH9989 and ABI00010-ABI82073
XX represent the oligomers described in the invention. NOTE: The sequence
XX data for this patent did not form part of the printed specification, but
XX was obtained in electronic format from WIPO at
XX ftp.wipo.int/pub/published_pct_sequences
XX
XX Query Match 12.9%; Score 9.4; DB 1; Length 12;
XX Best Local Similarity 90.9%; Pred. No. 1.2e+03;
XX Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
XX
XX QY 926 TTTTATCCCTC 936
XX DB 12 TTTTATCCCTC 2
XX
XX RESULT 1433
XX ABH6844/C
XX ID ABH6844 standard; DNA; 12 BP.
XX AC ABH6844;
XX 22-FEB-2002 (first entry)
XX Oligonucleotide primer SEQ ID NO 268921 for detecting SNP TSC0001437.
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX Homo sapiens.
XX WO200177384-A2.
XX 18-OCT-2001.
XX 06-APR-2001; 2001WO-IB000713.
XX 07-APR-2000; 2000DE-01019173.
XX (EPIG-) EPIGENOMICS AG.
XX This invention describes novel oligonucleotide primers or peptide nucleic
XX acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)

XX Olek A, Piepenbrock C, Berlin K;
XX WPI; 2001-657177/75.
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
XX designed to detect single-nucleotide polymorphisms and cytosine
XX methylation status.
XX Claim 1; SEQ ID NO 268921; 29pp + Sequence Listing; German.
XX This invention describes novel oligonucleotide primers or peptide nucleic
XX acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
XX and cytosine methylation status in chemically pretreated genomic DNA. The
XX oligonucleotides are used for diagnosis and/or prognosis of cancer and a
XX range of diseases including immune system, gastrointestinal, respiratory,
XX central nervous system, cardiovascular and metabolic disorders. The
XX oligomers are also used for detecting cell type differentiation. ABC00010
XX -ABC9989, ABF00010-ABF9989, ABH00010-ABH9989 and ABI00010-ABI82073
XX represent the oligomers described in the invention. NOTE: The sequence
XX data for this patent did not form part of the printed specification, but
XX was obtained in electronic format from WIPO at
XX ftp.wipo.int/pub/published_pct_sequences
XX
XX Query Match 12.9%; Score 9.4; DB 1; Length 12;
XX Best Local Similarity 90.9%; Pred. No. 1.2e+03;
XX Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
XX
XX QY 941 TCATTGCTTTA 951
XX DB 11 TGATTGCTTTA 1
XX
XX RESULT 1434
XX ABH19399/C
XX ID ABH19399 standard; DNA; 12 BP.
XX AC ABH19399;
XX 22-FEB-2002 (first entry)
XX Oligonucleotide primer SEQ ID NO 319372 for detecting SNP TSC0029184.
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX Homo sapiens.
XX WO200177384-A2.
XX 18-OCT-2001.
XX 06-APR-2001; 2001WO-IB000713.
XX 07-APR-2000; 2000DE-01019173.
XX (EPIG-) EPIGENOMICS AG.
XX Olek A, Piepenbrock C, Berlin K;
XX WPI; 2001-657177/75.
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
XX designed to detect single-nucleotide polymorphisms and cytosine
XX methylation status.
XX Claim 1; SEQ ID NO 319372; 29pp + Sequence Listing; German.
XX This invention describes novel oligonucleotide primers or peptide nucleic
XX acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)

CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligonucleotides are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 12 BP; 8 A; 3 C; 0 G; 1 T; 0 U; 0 Other;

Query Match 12.9%; Score 9.4; DB 1; Length 12;
Best Local Similarity 90.9%; Pred. No. 1.2e+03;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 908 TTTTCTTGGT 918
Db 11 TTTTATTGGT 1

RESULT 1435
ABH71228/c
ID ABH71228 standard; DNA; 12 BP.
XX
AC ABH71228;
XX
DT 22-FEB-2002 (first entry)
XX
DE Oligonucleotide primer SEQ ID NO 271205 for detecting SNP TSC0002425.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB0000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
DR WPI; 2001-657177/75.
XX
PT Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
PS Claim 1; SEQ ID NO 271205; 29pp + Sequence Listing; German.
XX
SQ This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 12 BP; 7 A; 0 C; 3 G; 2 T; 0 U; 0 Other;

Query Match 12.9%; Score 9.4; DB 1; Length 12;
Best Local Similarity 90.9%; Pred. No. 1.2e+03;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 905 TCATTTCCTT 915
Db 12 TCATTTCCTT 2

RESULT 1436
ABI22293/c
ID ABI22293 standard; DNA; 12 BP.
XX
AC ABI22293;
XX
DT 22-FEB-2002 (first entry)
XX
DE Oligonucleotide primer SEQ ID NO 322266 for detecting SNP TSC0030767.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB0000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
DR WPI; 2001-657177/75.
XX
PT Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
PS Claim 1; SEQ ID NO 322266; 29pp + Sequence Listing; German.
XX
SQ This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 12 BP; 7 A; 1 C; 0 G; 4 T; 0 U; 0 Other;

Query Match 12.9%; Score 9.4; DB 1; Length 12;
Best Local Similarity 90.9%; Pred. No. 1.2e+03;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 947 GTTTAATGTAT 957
Db 11 GTTTAATATAT 1

RESULT 1437
ABH73304/c
ID ABH73304 standard; DNA; 12 BP.
XX

```

AC ABH73304;
XX
XX
DT 22-FEB-2002 (first entry)
XX
DE Oligonucleotide primer SEQ ID NO 273289 for detecting SNP TSC0003130.
XX
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
XX Homo sapiens.
XX
XX WO200177384-A2.
XX
XX 18-OCT-2001.
XX
XX 06-APR-2001; 2001WO-IB000713.
XX
XX 07-APR-2000; 2000DE-01019173.
XX
XX (EPIC-) EPIGENOMICS AG.
XX
XX Olek A, Piepenbrock C, Berlin K;
XX
XX WPI; 2001-657177/75.
XX
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
XX Claim 1; SEQ ID NO 273289; 29pp + Sequence Listing; German.
XX
XX This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
XX Sequence 12 BP; 8 A; 2 C; 0 G; 2 T; 0 U; 0 Other;
XX
XX This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
XX Sequence 12 BP; 8 A; 2 C; 0 G; 2 T; 0 U; 0 Other;
XX
XX Query Match 12.9%; Score 9.4; DB 1; Length 12;
XX Best Local Similarity 90.9%; Pred. No. 1.2e+03;
XX Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
XX
XX 940 TTAATGGTTT 950
XX
XX 11 TTAATGGTTT 1
XX
XX RESULT 1438
XX ABI27146
XX ID ABI27146 standard; DNA; 12 BP.
XX
XX AC ABI27146;
XX
XX 22-FEB-2002 (first entry)
XX
XX Oligonucleotide primer SEQ ID NO 327119 for detecting SNP TSC0033449.
XX
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
XX Homo sapiens.
XX
XX WO200177384-A2.
XX
XX 18-OCT-2001.
XX
XX 06-APR-2001; 2001WO-IB000713.
XX
XX 07-APR-2000; 2000DE-01019173.
XX
XX (EPIC-) EPIGENOMICS AG.
XX
XX Olek A, Piepenbrock C, Berlin K;
XX
XX WPI; 2001-657177/75.
XX
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
XX Claim 1; SEQ ID NO 273289; 29pp + Sequence Listing; German.
XX
XX This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
XX Sequence 12 BP; 8 A; 2 C; 0 G; 2 T; 0 U; 0 Other;
XX
XX Query Match 12.9%; Score 9.4; DB 1; Length 12;
XX Best Local Similarity 90.9%; Pred. No. 1.2e+03;
XX Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
XX
XX 940 TTAATGGTTT 950
XX
XX 11 TTAATGGTTT 1
XX
XX RESULT 1438
XX ABI27146
XX ID ABI27146 standard; DNA; 12 BP.
XX
XX AC ABI27146;
XX
XX 22-FEB-2002 (first entry)
XX
XX Oligonucleotide primer SEQ ID NO 327119 for detecting SNP TSC0004405.
XX
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
XX Homo sapiens.
XX
XX WO200177384-A2.
XX
XX 18-OCT-2001.
XX
XX 06-APR-2001; 2001WO-IB000713.
XX
XX 07-APR-2000; 2000DE-01019173.
XX
XX (EPIC-) EPIGENOMICS AG.
XX
XX Olek A, Piepenbrock C, Berlin K;
XX
XX WPI; 2001-657177/75.
XX

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XX
XX 18-OCT-2001.
XX
XX 06-APR-2001; 2001WO-IB000713.
XX
XX 07-APR-2000; 2000DE-01019173.
XX
XX (EPIC-) EPIGENOMICS AG.
XX
XX Olek A, Piepenbrock C, Berlin K;
XX
XX WPI; 2001-657177/75.
XX
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
XX Claim 1; SEQ ID NO 327119; 29pp + Sequence Listing; German.
XX
XX This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
XX Sequence 12 BP; 0 A; 7 C; 0 G; 5 T; 0 U; 0 Other;
XX
XX Query Match 12.9%; Score 9.4; DB 1; Length 12;
XX Best Local Similarity 90.9%; Pred. No. 1.2e+03;
XX Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
XX
XX 927 TTTATCCCTCC 937
XX
XX 2 TTTCTCCCTCC 12
XX
XX RESULT 1439
XX ABH77214
XX ID ABH77214 standard; DNA; 12 BP.
XX
XX AC ABH77214;
XX
XX 22-FEB-2002 (first entry)
XX
XX Oligonucleotide primer SEQ ID NO 277207 for detecting SNP TSC0004405.
XX
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
XX Homo sapiens.
XX
XX WO200177384-A2.
XX
XX 18-OCT-2001.
XX
XX 06-APR-2001; 2001WO-IB000713.
XX
XX 07-APR-2000; 2000DE-01019173.
XX
XX (EPIC-) EPIGENOMICS AG.
XX
XX Olek A, Piepenbrock C, Berlin K;
XX
XX WPI; 2001-657177/75.
XX

```

PT Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
XX
PS Claim 1; SEQ ID NO 277207; 29pp + Sequence Listing; German.
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABG9989, ABF00010-ABF9989, ABH00010-ABH9989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 12 BP; 4 A; 0 C; 2 G; 6 T; 0 U; 0 Other;

Query Match 12.9%; Score 9.4; DB 1; Length 12;
Best Local Similarity 90.9%; Pred. No. 1.2e+03;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 947 GTTATGATGAT 957
Db 2 GTATATGAT 12
||| |||||
||| |||||

RESULT 1440
ABI03017/c
ID ABI03017 standard; DNA; 12 BP.
AC ABI03017;
XX
DT 22-FEB-2002 (first entry)
XX
DE Oligonucleotide primer SEQ ID NO 302990 for detecting SNP TSC0020263.
XX
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW Peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW Central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
XX Homo sapiens.
XX
XX WO200177384-A2.
XX
XX 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
XX (EPIG-) EPIGENOMICS AG.
XX
XX Olek A, Piepenbrock C, Berlin K;
XX
XX WPI; 2001-657177/75.
XX
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
PS Claim 1; SEQ ID NO 302990; 29pp + Sequence Listing; German.
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010

CC -ABC9989, ABF00010-ABF9989, ABH00010-ABH9989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 12 BP; 8 A; 3 C; 0 G; 1 T; 0 U; 0 Other;

Query Match 12.9%; Score 9.4; DB 1; Length 12;
Best Local Similarity 90.9%; Pred. No. 1.2e+03;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 940 TTCATTGGTTT 950
Db 11 TTGATTGGTTT 1
||| |||||
||| |||||

RESULT 1441
ABI04185/c
ID ABI04185 standard; DNA; 12 BP.
XX
AC ABI04185;
XX
DT 22-FEB-2002 (first entry)
XX
DE Oligonucleotide primer SEQ ID NO 304158 for detecting SNP TSC0020805.
XX
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW Peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW Central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
XX Homo sapiens.
XX
XX WO200177384-A2.
XX
XX 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
XX (EPIG-) EPIGENOMICS AG.
XX
XX Olek A, Piepenbrock C, Berlin K;
XX
XX WPI; 2001-657177/75.
XX
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
PS Claim 1; SEQ ID NO 304158; 29pp + Sequence Listing; German.
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC9989, ABF00010-ABF9989, ABH00010-ABH9989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 12 BP; 5 A; 4 C; 0 G; 3 T; 0 U; 0 Other;

Query Match 12.9%; Score 9.4; DB 1; Length 12;
Best Local Similarity 90.9%; Pred. No. 1.2e+03;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 944 TTGTTTAAATG 954

PR 07-APR-2000; 2000DE-01019173.
XX (BPIG-) EPIGENOMICS AG.
XX Olek A, Piepenbrock C, Berlin K;
XX WPI; 2001-657177/75.
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX Claim 1; SEQ ID NO 292025; 29pp + Sequence Listing; German.
XX This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABT00010-ABT82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX SQ Sequence 12 BP; 4 A; 0 C; 5 G; 3 T; 0 U; 0 Other;
Query Match 12.9%; Score 9.4; DB 1; Length 12;
Best Local Similarity 90.9%; Pred. No. 1.2e+03;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
QY 930 ATCCCTCTCTCT 940
DB 12 ATCCATCTCTCT 2
RESULT 1445
ABI46663
ID ABI46663 standard; DNA; 12 BP.
XX AC ABI46663;
XX 22-FEB-2002 (first entry)
XX Oligonucleotide primer SEQ ID NO 346636 for detecting SNP TSC0007729.
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX Homo sapiens.
XX WO200177384-A2.
XX 18-OCT-2001.
XX 06-APR-2001; 2001WO-IB000713.
XX 07-APR-2000; 2000DE-01019173.
XX (BPIG-) EPIGENOMICS AG.
XX Olek A, Piepenbrock C, Berlin K;
XX WPI; 2001-657177/75.
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX Claim 1; SEQ ID NO 346636; 29pp + Sequence Listing; German.

XX This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABT00010-ABT82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX SQ Sequence 12 BP; 1 A; 0 C; 3 G; 8 T; 0 U; 0 Other;
Query Match 12.9%; Score 9.4; DB 1; Length 12;
Best Local Similarity 90.9%; Pred. No. 1.2e+03;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
QY 913 TTGTGTCCTTG 923
DB 1 TTGTGTCCTTG 11
RESULT 1446
ABI52878/C
ID ABI52878 standard; DNA; 12 BP.
XX AC ABI52878;
XX 22-FEB-2002 (first entry)
XX Oligonucleotide primer SEQ ID NO 352851 for detecting SNP TSC0048131.
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX Homo sapiens.
XX WO200177384-A2.
XX 18-OCT-2001.
XX 06-APR-2001; 2001WO-IB000713.
XX 07-APR-2000; 2000DE-01019173.
XX (BPIG-) EPIGENOMICS AG.
XX Olek A, Piepenbrock C, Berlin K;
XX WPI; 2001-657177/75.
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX Claim 1; SEQ ID NO 352851; 29pp + Sequence Listing; German.
XX This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABT00010-ABT82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences


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OS Homo sapiens.
XX WO200177384-A2.
XX
XX 18-OCT-2001.
XX
XX 06-APR-2001; 2001WO-IB000713.
XX
XX 07-APR-2000; 2000DE-01019173.
XX
XX (EPIG-) EPIGENOMICS AG.
XX
XX Olek A, Piepenbrock C, Berlin K;
XX
XX WPI; 2001-657177/75.
XX
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
XX PT designed to detect single-nucleotide polymorphisms and cytosine
XX PT methylation status.
XX
XX Claim 1; SEQ ID NO 270363; 29pp + Sequence Listing; German.
XX
XX This invention describes novel oligonucleotide primers or peptide nucleic
XX CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
XX CC and cytosine methylation status in chemically pretreated genomic DNA. The
XX CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
XX CC range of diseases including immune system, gastrointestinal, respiratory,
XX CC central nervous system, cardiovascular and metabolic disorders. The
XX CC oligomers are also used for detecting cell type differentiation. ABC00010
XX CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
XX CC represent the oligomers described in the invention. NOTE: The sequence
XX CC data for this patent did not form part of the printed specification, but
XX CC was obtained in electronic format from WIPO at
XX CC ftp.wipo.int/pub/published_pct_sequences
XX
XX Sequence 12 BP; 2 A; 0 C; 4 G; 6 T; 0 U; 0 Other;
SQ
XX
XX Query Match 12.9%; Score 9.4; DB 1; Length 12;
XX Best Local Similarity 90.9%; Pred. No. 1.2e+03;
XX Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
XX
XX QY 946 GCTTTAATGTA 956
XX Db 2 GCTTTAATGTA 12
XX
XX RESULT 1450
XX ABH95714
XX ID ABH95714 standard; DNA; 12 BP.
XX AC
XX ABH95714;
XX
XX DT 22-FEB-2002 (first entry)
XX
XX DE Oligonucleotide primer SEQ ID NO 295707 for detecting SNP TSC0016694.
XX
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
XX OS Homo sapiens.
XX
XX WO200177384-A2.
XX
XX 18-OCT-2001.
XX
XX 06-APR-2001; 2001WO-IB000713.
XX
XX 07-APR-2000; 2000DE-01019173.
XX
XX (EPIG-) EPIGENOMICS AG.
XX
XX Olek A, Piepenbrock C, Berlin K;
XX
XX WPI; 2001-657177/75.
XX
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
XX PT designed to detect single-nucleotide polymorphisms and cytosine
XX PT methylation status.
XX
XX Claim 1; SEQ ID NO 270363; 29pp + Sequence Listing; German.
XX
XX This invention describes novel oligonucleotide primers or peptide nucleic
XX CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
XX CC and cytosine methylation status in chemically pretreated genomic DNA. The
XX CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
XX CC range of diseases including immune system, gastrointestinal, respiratory,
XX CC central nervous system, cardiovascular and metabolic disorders. The
XX CC oligomers are also used for detecting cell type differentiation. ABC00010
XX CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
XX CC represent the oligomers described in the invention. NOTE: The sequence
XX CC data for this patent did not form part of the printed specification, but
XX CC was obtained in electronic format from WIPO at
XX CC ftp.wipo.int/pub/published_pct_sequences
XX
XX Sequence 12 BP; 2 A; 0 C; 4 G; 6 T; 0 U; 0 Other;
SQ
XX
XX Query Match 12.9%; Score 9.4; DB 1; Length 12;
XX Best Local Similarity 90.9%; Pred. No. 1.2e+03;
XX Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
XX
XX QY 946 GCTTTAATGTA 956
XX Db 2 GCTTTAATGTA 12
XX
XX RESULT 1451
XX ABH71841
XX ID ABH71841 standard; DNA; 12 BP.
XX AC
XX ABH71841;
XX
XX DT 22-FEB-2002 (first entry)
XX
XX DE Oligonucleotide primer SEQ ID NO 271818 for detecting SNP TSC0002624.
XX
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
XX OS Homo sapiens.
XX
XX WO200177384-A2.
XX
XX 18-OCT-2001.
XX
XX 06-APR-2001; 2001WO-IB000713.
XX
XX 07-APR-2000; 2000DE-01019173.
XX
XX (EPIG-) EPIGENOMICS AG.
XX
XX Olek A, Piepenbrock C, Berlin K;
XX
XX WPI; 2001-657177/75.
XX
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
XX PT designed to detect single-nucleotide polymorphisms and cytosine
XX PT methylation status.
XX
XX Claim 1; SEQ ID NO 271818; 29pp + Sequence Listing; German.
XX
XX This invention describes novel oligonucleotide primers or peptide nucleic
XX CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
XX CC and cytosine methylation status in chemically pretreated genomic DNA. The
XX CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
XX CC range of diseases including immune system, gastrointestinal, respiratory,
XX CC central nervous system, cardiovascular and metabolic disorders. The
XX CC oligomers are also used for detecting cell type differentiation. ABC00010
XX CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
XX CC represent the oligomers described in the invention. NOTE: The sequence
XX CC data for this patent did not form part of the printed specification, but
XX CC was obtained in electronic format from WIPO at
XX CC ftp.wipo.int/pub/published_pct_sequences
XX
XX Sequence 12 BP; 1 A; 3 C; 0 G; 8 T; 0 U; 0 Other;
SQ
XX
XX Query Match 12.9%; Score 9.4; DB 1; Length 12;
XX Best Local Similarity 90.9%; Pred. No. 1.2e+03;
XX Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
XX
XX QY 935 TCTCTTTCATT 945
XX Db 1 TCTCTTTCATT 11
XX
XX RESULT 1451
XX ABH71841
XX ID ABH71841 standard; DNA; 12 BP.
XX AC
XX ABH71841;
XX
XX DT 22-FEB-2002 (first entry)
XX
XX DE Oligonucleotide primer SEQ ID NO 271818 for detecting SNP TSC0002624.
XX
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
XX OS Homo sapiens.
XX
XX WO200177384-A2.
XX
XX 18-OCT-2001.
XX
XX 06-APR-2001; 2001WO-IB000713.
XX
XX 07-APR-2000; 2000DE-01019173.
XX
XX (EPIG-) EPIGENOMICS AG.
XX
XX Olek A, Piepenbrock C, Berlin K;
XX
XX WPI; 2001-657177/75.
XX
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
XX PT designed to detect single-nucleotide polymorphisms and cytosine
XX PT methylation status.
XX
XX Claim 1; SEQ ID NO 271818; 29pp + Sequence Listing; German.
XX
XX This invention describes novel oligonucleotide primers or peptide nucleic
XX CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
XX CC and cytosine methylation status in chemically pretreated genomic DNA. The
XX CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
XX CC range of diseases including immune system, gastrointestinal, respiratory,
XX CC central nervous system, cardiovascular and metabolic disorders. The
XX CC oligomers are also used for detecting cell type differentiation. ABC00010
XX CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
XX CC represent the oligomers described in the invention. NOTE: The sequence
XX CC data for this patent did not form part of the printed specification, but
XX CC was obtained in electronic format from WIPO at
XX CC ftp.wipo.int/pub/published_pct_sequences
XX
XX Sequence 12 BP; 1 A; 3 C; 0 G; 8 T; 0 U; 0 Other;
SQ

```

CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 12 BP; 0 A; 0 C; 3 G; 9 T; 0 U; 0 Other;

Query Match 12.9%; Score 9.4; DB 1; Length 12;
Best Local Similarity 90.9%; Pred. No. 1.2e+03;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 908 TTTTCTTTGGT 918

Db 1 TTTTCTTTGGT 11

RESULT 1452

ABI25318
ID ABI25318 standard; DNA; 12 BP.

XX
AC ABI25318;

XX
DT 22-FEB-2002 (first entry)

XX
DE Oligonucleotide primer SEQ ID NO 325291 for detecting SNP TSC0032488.

XX
SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.

XX
OS Homo sapiens.

XX
PN WO200177384-A2.

XX
PD 18-OCT-2001.

XX
PF 06-APR-2001; 2001WO-IB000713.

XX
PR 07-APR-2000; 2000DE-01019173.

XX
PA (EPIG-) EPIGENOMICS AG.

XX
PI Olek A, Piepenbrock C, Berlin K;

XX
WPI; 2001-657177/75.

XX
Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.

XX
PS Claim 1; SEQ ID NO 325291; 29pp + Sequence Listing; German.

XX
This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX

SQ Sequence 12 BP; 1 A; 0 C; 3 G; 8 T; 0 U; 0 Other;

Query Match 12.9%; Score 9.4; DB 1; Length 12;
Best Local Similarity 90.9%; Pred. No. 1.2e+03;

Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
QY 945 TGGTTTAATGT 955
Db 1 TGGTTTAATGT 11

RESULT 1453

ABH79108
ID ABH79108 standard; DNA; 12 BP.

XX
AC ABH79108;

XX
DT 22-FEB-2002 (first entry)

XX
DE Oligonucleotide primer SEQ ID NO 279101 for detecting SNP TSC0006896.

XX
SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.

XX
OS Homo sapiens.

XX
PN WO200177384-A2.

XX
PD 18-OCT-2001.

XX
PF 06-APR-2001; 2001WO-IB000713.

XX
PR 07-APR-2000; 2000DE-01019173.

XX
PA (EPIG-) EPIGENOMICS AG.

XX
PI Olek A, Piepenbrock C, Berlin K;

XX
WPI; 2001-657177/75.

XX
Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.

XX
PS Claim 1; SEQ ID NO 279101; 29pp + Sequence Listing; German.

XX
This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX

SQ Sequence 12 BP; 2 A; 1 C; 3 G; 6 T; 0 U; 0 Other;

Query Match 12.9%; Score 9.4; DB 1; Length 12;

Best Local Similarity 90.9%; Pred. No. 1.2e+03;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 946 GGTTAATGTA 956

Db 2 GGTTAATGTA 12

RESULT 1454

ABI04506
ID ABI04506 standard; DNA; 12 BP.

XX
AC ABI04506;

XX

```
DT 22-FEB-2002 (first entry)
XX Oligonucleotide primer SEQ ID NO 304479 for detecting SNP TSC0020963.
DE
DE SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
XX WO200177384-A2.
XX
XX 18-OCT-2001.
XX
XX 06-APR-2001; 2001WO-IB000713.
XX
XX 07-APR-2000; 2000DE-01019173.
XX
XX (EPIG-) EPIGENOMICS AG.
XX
XX Olek A, Piepenbrock C, Berlin K;
XX
XX WPI; 2001-657177/75.
XX
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
XX Claim 1; SEQ ID NO 304479; 29pp + Sequence Listing; German.
XX
XX This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC9989, ABF00010-ABF9989, ABH00010-ABH9989 and AB100010-AB182073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
XX SQ Sequence 12 BP; 2 A; 3 C; 0 G; 7 T; 0 U; 0 Other;
XX
XX Query Match 12.9%; Score 9.4; DB 1; Length 12;
XX Best Local Similarity 90.9%; Pred. No. 1.2e+03;
XX Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
XX
XX QY 905 TCATTTTCTTT 915
XX 2 TCATTTTCTT 12
XX
XX RESULT 1455
XX ABH80641/c
XX ID ABH80641 standard; DNA; 12 BP.
XX
XX AC ABH80641;
XX
XX 22-FEB-2002 (first entry)
XX
XX Oligonucleotide primer SEQ ID NO 280634 for detecting SNP TSC0008886.
XX
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
XX Homo sapiens.
XX
XX WO200177384-A2.
XX
XX 18-OCT-2001.
XX
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XX 06-APR-2001; 2001WO-IB000713.
XX
XX 07-APR-2000; 2000DE-01019173.
XX
XX (EPIG-) EPIGENOMICS AG.
XX
XX Olek A, Piepenbrock C, Berlin K;
XX
XX WPI; 2001-657177/75.
XX
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
XX Claim 1; SEQ ID NO 280634; 29pp + Sequence Listing; German.
XX
XX This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC9989, ABF00010-ABF9989, ABH00010-ABH9989 and AB100010-AB182073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
XX SQ Sequence 12 BP; 7 A; 2 C; 0 G; 3 T; 0 U; 0 Other;
XX
XX Query Match 12.9%; Score 9.4; DB 1; Length 12;
XX Best Local Similarity 90.9%; Pred. No. 1.2e+03;
XX Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
XX
XX QY 941 TCATTGGTTTA 951
XX 12 TAATTGGTTTA 2
XX
XX RESULT 1456
XX ABI31092
XX ID ABI31092 standard; DNA; 12 BP.
XX
XX AC ABI31092;
XX
XX 22-FEB-2002 (first entry)
XX
XX Oligonucleotide primer SEQ ID NO 331065 for detecting SNP TSC0035951.
XX
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
XX Homo sapiens.
XX
XX WO200177384-A2.
XX
XX 18-OCT-2001.
XX
XX 06-APR-2001; 2001WO-IB000713.
XX
XX 07-APR-2000; 2000DE-01019173.
XX
XX (EPIG-) EPIGENOMICS AG.
XX
XX Olek A, Piepenbrock C, Berlin K;
XX
XX WPI; 2001-657177/75.
XX
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
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PT methylation status.
XX
PS Claim 1; SEQ ID NO 331065; 29pp + Sequence Listing; German.
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 12 BP; 4 A; 0 C; 2 G; 6 T; 0 U; 0 Other;
XX
Query Match 12.9%; Score 9.4; DB 1; Length 12;
Best Local Similarity 90.9%; Pred. No. 1.2e+03;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
XX
QY 943 ATGGTTTAAT 953
DB 2 ATGGATTAA 12
|||||
RESULT 1457
ABI32122
ID ABI32122 standard; DNA; 12 BP.
XX
AC ABI32122;
XX
XX
DT 22-FEB-2002 (first entry)
XX
DE Oligonucleotide primer SEQ ID NO 332095 for detecting SNP TSC0036701.
XX
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
XX Homo sapiens.
XX
XX WO200177384-A2.
XX
XX 18-OCT-2001.
XX
XX 06-APR-2001; 2001WO-IB000713.
XX
XX 07-APR-2000; 2000DE-01019173.
XX
XX (EPIG-) EPIGENOMICS AG.
XX
XX Olek A, Piepenbrock C, Berlin K;
XX
XX WPI; 2001-657177/75.
XX
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
XX designed to detect single-nucleotide polymorphisms and cytosine
XX methylation status.
XX
XX Claim 1; SEQ ID NO 332095; 29pp + Sequence Listing; German.
XX
XX This invention describes novel oligonucleotide primers or peptide nucleic
XX acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
XX and cytosine methylation status in chemically pretreated genomic DNA. The
XX oligonucleotides are used for diagnosis and/or prognosis of cancer and a
XX range of diseases including immune system, gastrointestinal, respiratory,
XX central nervous system, cardiovascular and metabolic disorders. The
XX oligomers are also used for detecting cell type differentiation. ABC00010
XX -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
XX represent the oligomers described in the invention. NOTE: The sequence
XX data for this patent did not form part of the printed specification, but
XX was obtained in electronic format from WIPO at
XX ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 12 BP; 4 A; 0 C; 2 G; 6 T; 0 U; 0 Other;
XX
Query Match 12.9%; Score 9.4; DB 1; Length 12;
Best Local Similarity 90.9%; Pred. No. 1.2e+03;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
XX
QY 943 ATGGTTTAAT 953
DB 2 ATGGATTAA 12
|||||
RESULT 1457
ABI32122
ID ABI32122 standard; DNA; 12 BP.
XX
AC ABI32122;
XX
XX
DT 22-FEB-2002 (first entry)
XX
DE Oligonucleotide primer SEQ ID NO 332095 for detecting SNP TSC0036701.
XX
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
XX Homo sapiens.
XX
XX WO200177384-A2.
XX
XX 18-OCT-2001.
XX
XX 06-APR-2001; 2001WO-IB000713.
XX
XX 07-APR-2000; 2000DE-01019173.
XX
XX (EPIG-) EPIGENOMICS AG.
XX
XX Olek A, Piepenbrock C, Berlin K;
XX
XX WPI; 2001-657177/75.
XX
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
XX designed to detect single-nucleotide polymorphisms and cytosine
XX methylation status.
XX
XX Claim 1; SEQ ID NO 332095; 29pp + Sequence Listing; German.
XX
XX This invention describes novel oligonucleotide primers or peptide nucleic
XX acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
XX and cytosine methylation status in chemically pretreated genomic DNA. The
XX oligonucleotides are used for diagnosis and/or prognosis of cancer and a
XX range of diseases including immune system, gastrointestinal, respiratory,
XX central nervous system, cardiovascular and metabolic disorders. The
XX oligomers are also used for detecting cell type differentiation. ABC00010
XX -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
XX represent the oligomers described in the invention. NOTE: The sequence
XX data for this patent did not form part of the printed specification, but
XX was obtained in electronic format from WIPO at
XX ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 12 BP; 2 A; 0 C; 4 G; 6 T; 0 U; 0 Other;
XX
Query Match 12.9%; Score 9.4; DB 1; Length 12;
Best Local Similarity 90.9%; Pred. No. 1.2e+03;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
XX
QY 941 TCATTGGTTTA 951
DB 1 TGATTGGTTTA 11
|||||
RESULT 1458
ABH82350
ID ABH82350 standard; DNA; 12 BP.
XX
AC ABH82350;
XX
XX
DT 22-FEB-2002 (first entry)
XX
DE Oligonucleotide primer SEQ ID NO 282343 for detecting SNP TSC0010664.
XX
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
XX Homo sapiens.
XX
XX WO200177384-A2.
XX
XX 18-OCT-2001.
XX
XX 06-APR-2001; 2001WO-IB000713.
XX
XX 07-APR-2000; 2000DE-01019173.
XX
XX (EPIG-) EPIGENOMICS AG.
XX
XX Olek A, Piepenbrock C, Berlin K;
XX
XX WPI; 2001-657177/75.
XX
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
XX designed to detect single-nucleotide polymorphisms and cytosine
XX methylation status.
XX
XX Claim 1; SEQ ID NO 282343; 29pp + Sequence Listing; German.
XX
XX This invention describes novel oligonucleotide primers or peptide nucleic
XX acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
XX and cytosine methylation status in chemically pretreated genomic DNA. The
XX oligonucleotides are used for diagnosis and/or prognosis of cancer and a
XX range of diseases including immune system, gastrointestinal, respiratory,
XX central nervous system, cardiovascular and metabolic disorders. The
XX oligomers are also used for detecting cell type differentiation. ABC00010
XX -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
XX represent the oligomers described in the invention. NOTE: The sequence
XX data for this patent did not form part of the printed specification, but
XX was obtained in electronic format from WIPO at
XX ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 12 BP; 2 A; 0 C; 4 G; 6 T; 0 U; 0 Other;
XX
Query Match 12.9%; Score 9.4; DB 1; Length 12;
Best Local Similarity 90.9%; Pred. No. 1.2e+03;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
XX
QY 941 TCATTGGTTTA 951
DB 1 TGATTGGTTTA 11
|||||
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RESULT 1459
ABI32640
ID ABI32640 standard; DNA; 12 BP.
XX AC
XX ABI32640;
XX
XX 22-FEB-2002 (first entry)
XX
XX Oligonucleotide primer SEQ ID NO 332613 for detecting SNP TSC0037029.
XX
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
XX Homo sapiens.
XX
XX WO200177384-A2.
XX
XX 18-OCT-2001.
XX
XX 06-APR-2001; 2001WO-IB000713.
XX
XX 07-APR-2000; 2000DE-01019173.
XX
XX (EPITG-) EPIGENOMICS AG.
XX
XX Olek A, Piepenbrock C, Berlin K;
XX
XX WPI; 2001-657177/75.
XX
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
XX designed to detect single-nucleotide polymorphisms and cytosine
XX methylation status.
XX
XX Claim 1; SEQ ID NO 332613; 29pp + Sequence Listing; German.
XX
XX This invention describes novel oligonucleotide primers or peptide nucleic
XX acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
XX and cytosine methylation status in chemically pretreated genomic DNA. The
XX oligonucleotides are used for diagnosis and/or prognosis of cancer and a
XX range of diseases including immune system, gastrointestinal, respiratory,
XX central nervous system, cardiovascular and metabolic disorders. The
XX oligomers are also used for detecting cell type differentiation. ABC00010
XX -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
XX represent the oligomers described in the invention. NOTE: The sequence
XX data for this patent did not form part of the printed specification, but
XX was obtained in electronic format from WIPO at
XX ftp.wipo.int/pub/published_pct_sequences
XX
XX Sequence 12 BP; 3 A; 7 C; 0 G; 2 T; 0 U; 0 Other;
XX
XX Query Match 12.9%; Score 9.4; DB 1; Length 12;
XX Best Local Similarity 90.9%; Pred. No. 1.2e+03;
XX Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
XX
XX QY 957 TCGTACCAAC 967
XX
XX Db 1 TCGTACCAAC 11
XX
XX RESULT 1460
XX ABH88114/c
XX ID ABH88114 standard; DNA; 12 BP.
XX
XX AC ABH88114;
XX
XX 22-FEB-2002 (first entry)
XX
XX Oligonucleotide primer SEQ ID NO 288107 for detecting SNP TSC0013375.
XX
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;

```

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KW KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX OS Homo sapiens.
XX PN WO200177384-A2.
XX PD 18-OCT-2001.
XX PF 06-APR-2001; 2001WO-IB000713.
XX PR 07-APR-2000; 2000DE-01019173.
XX PA (EPITG-) EPIGENOMICS AG.
XX PI Olek A, Piepenbrock C, Berlin K;
XX DR WPI; 2001-657177/75.
XX XX Set of oligonucleotides, useful for diagnosis and cell typing, is
XX PT designed to detect single-nucleotide polymorphisms and cytosine
XX PT methylation status.
XX PS Claim 1; SEQ ID NO 288107; 29pp + Sequence Listing; German.
XX
XX This invention describes novel oligonucleotide primers or peptide nucleic
XX acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
XX and cytosine methylation status in chemically pretreated genomic DNA. The
XX oligonucleotides are used for diagnosis and/or prognosis of cancer and a
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XX central nervous system, cardiovascular and metabolic disorders. The
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XX -ABC99989, ABF00010-ABF9989, ABH00010-ABH99989 and ABI00010-ABI82073
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XX data for this patent did not form part of the printed specification, but
XX was obtained in electronic format from WIPO at
XX ftp.wipo.int/pub/published_pct_sequences
XX
XX SQ Sequence 12 BP; 9 A; 2 C; 0 G; 1 T; 0 U; 0 Other;
XX
XX Query Match 12.9%; Score 9.4; DB 1; Length 12;
XX Best Local Similarity 90.9%; Pred. No. 1.2e+03;
XX Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
XX
XX QY 940 TTCATTGGTTT 950
XX
XX Db 11 TTTATTGGTTT 1
XX
XX RESULT 1461
XX ABI40821/c
XX ID ABI40821 standard; DNA; 12 BP.
XX
XX AC ABI40821;
XX
XX 22-FEB-2002 (first entry)
XX
XX Oligonucleotide primer SEQ ID NO 340794 for detecting SNP TSC0006025.
XX
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
XX OS Homo sapiens.
XX PN WO200177384-A2.
XX PD 18-OCT-2001.
XX PF 06-APR-2001; 2001WO-IB000713.
XX PR 07-APR-2000; 2000DE-01019173.

```

(EPIG-) EPIGENOMICS AG.
 Olek A, Piepenbrock C, Berlin K;
 WPI; 2001-657177/75.
 Set of oligonucleotides, useful for diagnosis and cell typing, is designed to detect single-nucleotide polymorphisms and cytosine methylation status.
 Claim 1; SEQ ID NO 340794; 29pp + Sequence Listing; German.
 This invention describes novel oligonucleotide primers or peptide nucleic acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP) and cytosine methylation status in chemically pretreated genomic DNA. The range of diseases including immune system, gastrointestinal, respiratory, central nervous system, cardiovascular and metabolic disorders. The oligomers are also used for detecting cell type differentiation. ABC00010 -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073 represent the oligomers described in the invention. NOTE: The sequence data for this patent did not form part of the printed specification, but was obtained in electronic format from WIPO at ftp.wipo.int/pub/published_pct_sequences

Query Match 12.9%; Score 9.4; DB 1; Length 12;
 Best Local Similarity 90.9%; Pred. No. 1.2e+03;
 Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 947 GTTTAATGTTAT 957
 DB 11 GTTTAATGTTT 1

RESULT 1462
 ABI16326
 ID ABI16326 standard; DNA; 12 BP.
 AC ABI16326;
 XX
 XX 22-FEB-2002 (first entry)
 DT
 DE Oligonucleotide primer SEQ ID NO 316299 for detecting SNP TSC0027387.
 KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
 KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
 KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
 OS Homo sapiens.
 XX
 XX WO200177384-A2.
 PN
 XX 18-OCT-2001.
 PD
 XX 06-APR-2001; 2001WO-IB0000713.
 PF
 XX 07-APR-2000; 2000DE-01019173.
 PR
 XX (EPIG-) EPIGENOMICS AG.
 PA
 XX Olek A, Piepenbrock C, Berlin K;
 PI
 XX WPI; 2001-657177/75.
 DR
 XX Set of oligonucleotides, useful for diagnosis and cell typing, is designed to detect single-nucleotide polymorphisms and cytosine methylation status.
 PT
 XX Claim 1; SEQ ID NO 316299; 29pp + Sequence Listing; German.
 PS
 XX This invention describes novel oligonucleotide primers or peptide nucleic acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP) and cytosine methylation status in chemically pretreated genomic DNA. The range of diseases including immune system, gastrointestinal, respiratory, central nervous system, cardiovascular and metabolic disorders. The oligomers are also used for detecting cell type differentiation. ABC00010 -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073 represent the oligomers described in the invention. NOTE: The sequence data for this patent did not form part of the printed specification, but was obtained in electronic format from WIPO at ftp.wipo.int/pub/published_pct_sequences

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Query Match 12.9%; Score 9.4; DB 1; Length 12;
 Best Local Similarity 90.9%; Pred. No. 1.2e+03;
 Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 905 TCATTTTCTTT 915
 DB 2 TCATTTTCTTT 12

RESULT 1463
 ABH91873
 ID ABH91873 standard; DNA; 12 BP.
 XX
 AC ABH91873;
 XX
 XX 22-FEB-2002 (first entry)
 DT
 DE Oligonucleotide primer SEQ ID NO 291866 for detecting SNP TSC0014980.
 KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
 KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
 KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
 OS Homo sapiens.
 XX
 XX WO200177384-A2.
 PN
 XX 18-OCT-2001.
 PD
 XX 06-APR-2001; 2001WO-IB0000713.
 PF
 XX 07-APR-2000; 2000DE-01019173.
 PR
 XX (EPIG-) EPIGENOMICS AG.
 PA
 XX Olek A, Piepenbrock C, Berlin K;
 PI
 XX WPI; 2001-657177/75.
 DR
 XX Set of oligonucleotides, useful for diagnosis and cell typing, is designed to detect single-nucleotide polymorphisms and cytosine methylation status.
 PT
 XX Claim 1; SEQ ID NO 291866; 29pp + Sequence Listing; German.
 PS
 XX This invention describes novel oligonucleotide primers or peptide nucleic acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP) and cytosine methylation status in chemically pretreated genomic DNA. The range of diseases including immune system, gastrointestinal, respiratory, central nervous system, cardiovascular and metabolic disorders. The oligomers are also used for detecting cell type differentiation. ABC00010 -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073 represent the oligomers described in the invention. NOTE: The sequence data for this patent did not form part of the printed specification, but was obtained in electronic format from WIPO at ftp.wipo.int/pub/published_pct_sequences

```
Query Match      12.9%; Score 9.4; DB 1; Length 12;
Best Local Similarity 90.9%; Pred. No. 1.2e+03;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 947 GTTAAATGAT 957
DB 2 GTTATTGAT 12

RESULT 1464
ABI46955/c
ID ABI46955 standard; DNA; 12 BP.
XX
XX
AC ABI46955;
XX
XX 22-FEB-2002 (first entry)
XX
XX Oligonucleotide primer SEQ ID NO 346928 for detecting SNP TSC0044837.
XX
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
XX Homo sapiens.
XX
XX WO200177384-A2.
XX
XX 18-OCT-2001.
XX
XX 06-APR-2001; 2001WO-IB000713.
XX
XX 07-APR-2000; 2000DE-01019173.
XX
XX (EPIG-) EPIGENOMICS AG.
XX
XX Olek A, Piepenbrock C, Berlin K;
XX
XX WPI; 2001-657177/75.
XX
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
XX designed to detect single-nucleotide polymorphisms and cytosine
XX methylation status.
XX
XX Claim 1; SEQ ID NO 346928; 29pp + Sequence Listing; German.
XX
XX This invention describes novel oligonucleotide primers or peptide nucleic
XX acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
XX and cytosine methylation status in chemically pretreated genomic DNA. The
XX oligonucleotides are used for diagnosis and/or prognosis of cancer and a
XX range of diseases including immune system, gastrointestinal, respiratory,
XX central nervous system, cardiovascular and metabolic disorders. The
XX oligomers are also used for detecting cell type differentiation. ABC00010
XX -ABG99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
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XX ftp.wipo.int/pub/published_pct_sequences
XX
XX Sequence 12 BP; 7 A; 0 C; 1 G; 4 T; 0 U; 0 Other;
XX
XX This invention describes novel oligonucleotide primers or peptide nucleic
XX acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
XX and cytosine methylation status in chemically pretreated genomic DNA. The
XX oligonucleotides are used for diagnosis and/or prognosis of cancer and a
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XX central nervous system, cardiovascular and metabolic disorders. The
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XX -ABG99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
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XX
XX Query Match      12.9%; Score 9.4; DB 1; Length 12;
XX Best Local Similarity 90.9%; Pred. No. 1.2e+03;
XX Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 948 TTTAATGATC 958
DB 11 TTTAATTATC 1

RESULT 1465
ABI47671/c
ID ABI47671 standard; DNA; 12 BP.

Query Match      12.9%; Score 9.4; DB 1; Length 12;
Best Local Similarity 90.9%; Pred. No. 1.2e+03;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 944 TTGGTTTAATG 954
DB 12 TTGGTTTAATG 2

RESULT 1466
ABI48193
ID ABI48193 standard; DNA; 12 BP.
XX
XX ABI48193;
XX
XX 22-FEB-2002 (first entry)
XX
XX Oligonucleotide primer SEQ ID NO 348166 for detecting SNP TSC0000104.
XX
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
XX Homo sapiens.
XX
```


CC oligomers are also used for detecting cell type differentiation. ABC00010
 CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
 CC represent the oligomers described in the invention. NOTE: The sequence
 CC data for this patent did not form part of the printed specification, but
 CC was obtained in electronic format from WIPO at
 CC ftp.wipo.int/pub/published_pct_sequences
 XX

QY Sequence 12 BP; 1 A; 0 C; 4 G; 7 T; 0 U; 0 Other;
 SQ

Query Match 12.9%; Score 9.4; DB 1; Length 12;
 Best Local Similarity 90.9%; Pred. No. 1.2e+03;
 Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 945 TGGTTTAATGT 955
 Db 1 TGGTTTGAATGT 11

RESULT 1469
 ABI72518/C
 ID ABI72518 standard; DNA; 12 BP.
 XX
 AC ABI72518;
 XX
 DT 22-FEB-2002 (first entry)
 XX
 DE Oligonucleotide primer SEQ ID NO 372491 for detecting SNP TSC0059419.
 XX
 KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
 KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
 KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
 XX
 OS Homo sapiens.
 XX
 PN WO200177384-A2.
 XX
 PD 18-OCT-2001.
 XX
 PF 06-APR-2001; 2001WO-IB000713.
 XX
 PR 07-APR-2000; 2000DE-01019173.
 XX
 PA (EPIG-) EPIGENOMICS AG.
 XX
 PI Olek A, Piepenbrock C, Berlin K;
 XX
 DR WPI; 2001-657177/75.
 XX
 PT Set of oligonucleotides, useful for diagnosis and cell typing, is
 PT designed to detect single-nucleotide polymorphisms and cytosine
 PT methylation status.
 XX
 PS Claim 1; SEQ ID NO 372491; 29pp + Sequence Listing; German.
 XX
 CC This invention describes novel oligonucleotide primers or peptide nucleic
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
 CC and cytosine methylation status in chemically pretreated genomic DNA. The
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
 CC range of diseases including immune system, gastrointestinal, respiratory,
 CC central nervous system, cardiovascular and metabolic disorders. The
 CC oligomers are also used for detecting cell type differentiation. ABC00010
 CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
 CC represent the oligomers described in the invention. NOTE: The sequence
 CC data for this patent did not form part of the printed specification, but
 CC was obtained in electronic format from WIPO at
 CC ftp.wipo.int/pub/published_pct_sequences
 XX

QY Sequence 12 BP; 2 A; 0 C; 5 G; 5 T; 0 U; 0 Other;
 SQ

Query Match 12.9%; Score 9.4; DB 1; Length 12;
 Best Local Similarity 90.9%; Pred. No. 1.2e+03;
 Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 956 ATCCCTACCAA 966
 Db 11 ATCCCTACCAA 1

RESULT 1470
 ABI73257
 ID ABI73257 standard; DNA; 12 BP.
 XX
 AC ABI73257;
 XX
 DT 22-FEB-2002 (first entry)
 XX
 DE Oligonucleotide primer SEQ ID NO 373230 for detecting SNP TSC0059917.
 XX
 KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
 KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
 KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
 XX
 OS Homo sapiens.
 XX
 PN WO200177384-A2.
 XX
 PD 18-OCT-2001.
 XX
 PF 06-APR-2001; 2001WO-IB000713.
 XX
 PR 07-APR-2000; 2000DE-01019173.
 XX
 PA (EPIG-) EPIGENOMICS AG.
 XX
 PI Olek A, Piepenbrock C, Berlin K;
 XX
 DR WPI; 2001-657177/75.
 XX
 PT Set of oligonucleotides, useful for diagnosis and cell typing, is
 PT designed to detect single-nucleotide polymorphisms and cytosine
 PT methylation status.
 XX
 PS Claim 1; SEQ ID NO 373230; 29pp + Sequence Listing; German.
 XX
 CC This invention describes novel oligonucleotide primers or peptide nucleic
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
 CC and cytosine methylation status in chemically pretreated genomic DNA. The
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
 CC range of diseases including immune system, gastrointestinal, respiratory,
 CC central nervous system, cardiovascular and metabolic disorders. The
 CC oligomers are also used for detecting cell type differentiation. ABC00010
 CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
 CC represent the oligomers described in the invention. NOTE: The sequence
 CC data for this patent did not form part of the printed specification, but
 CC was obtained in electronic format from WIPO at
 CC ftp.wipo.int/pub/published_pct_sequences
 XX

QY Sequence 12 BP; 1 A; 1 C; 3 G; 7 T; 0 U; 0 Other;
 SQ

Query Match 12.9%; Score 9.4; DB 1; Length 12;
 Best Local Similarity 90.9%; Pred. No. 1.2e+03;
 Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 940 TTCAATGGTTT 950
 Db 2 TTGCTGGTTT 12

RESULT 1471
 ABI60061
 ID ABI60061 standard; DNA; 12 BP.
 XX
 AC ABI60061;
 XX
 DT 22-FEB-2002 (first entry)
 XX

```

DE Oligonucleotide primer SEQ ID NO 360034 for detecting SNP TSC0051895.
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX Homo sapiens.
XX WO200177384-A2.
XX 18-OCT-2001.
XX
XX 06-APR-2001; 2001WO-IB000713.
XX
XX 07-APR-2000; 2000DE-01019173.
XX (EPIG-) EPIGENOMICS AG.
XX Olek A, Piepenbrock C, Berlin K;
XX WPI; 2001-657177/75.
XX
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
XX designed to detect single-nucleotide polymorphisms and cytosine
XX methylation status.
XX Claim 1; SEQ ID NO 360034; 29pp + Sequence Listing; German.
XX
XX This invention describes novel oligonucleotide primers or peptide nucleic
XX acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
XX and cytosine methylation status in chemically pretreated genomic DNA. The
XX oligonucleotides are used for diagnosis and/or prognosis of cancer and a
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XX central nervous system, cardiovascular and metabolic disorders. The
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XX -ABC99989, ABP00010-ABP99989, ABH00010-ABH99989 and ABI00010-ABI82073
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XX
XX Sequence 12 BP; 4 A; 0 C; 1 G; 7 T; 0 U; 0 Other;
XX
XX Query Match 12.9%; Score 9.4; DB 1; Length 12;
XX Best Local Similarity 90.9%; Pred. No. 1.2e+03;
XX Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
XX
XX QY 943 ATTGGTTTAAAT 953
XX Db 1 ATTAGTTTAAAT 11
XX
XX RESULT 1472
XX ABI66203/c
XX ID ABI66203 standard; DNA; 12 BP.
XX
XX AC ABI66203;
XX
XX 22-FEB-2002 (first entry)
XX
XX Oligonucleotide primer SEQ ID NO 366176 for detecting SNP TSC0055577.
XX
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX Homo sapiens.
XX WO200177384-A2.
XX 18-OCT-2001.
XX
XX 06-APR-2001; 2001WO-IB000713.
XX

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XX 07-APR-2000; 2000DE-01019173.
XX (EPIG-) EPIGENOMICS AG.
XX Olek A, Piepenbrock C, Berlin K;
XX WPI; 2001-657177/75.
XX
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
XX designed to detect single-nucleotide polymorphisms and cytosine
XX methylation status.
XX Claim 1; SEQ ID NO 366176; 29pp + Sequence Listing; German.
XX
XX This invention describes novel oligonucleotide primers or peptide nucleic
XX acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
XX and cytosine methylation status in chemically pretreated genomic DNA. The
XX oligonucleotides are used for diagnosis and/or prognosis of cancer and a
XX range of diseases including immune system, gastrointestinal, respiratory,
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XX -ABC99989, ABP00010-ABP99989, ABH00010-ABH99989 and ABI00010-ABI82073
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XX
XX Sequence 12 BP; 4 A; 0 C; 5 G; 3 T; 0 U; 0 Other;
XX
XX Query Match 12.9%; Score 9.4; DB 1; Length 12;
XX Best Local Similarity 90.9%; Pred. No. 1.2e+03;
XX Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
XX
XX QY 934 CTCCTCTTCAT 944
XX Db 11 CTCCTCTTCAT 11
XX
XX RESULT 1473
XX ABI17646/c
XX ID ABI17646 standard; DNA; 12 BP.
XX
XX AC ABI17646;
XX
XX 22-FEB-2002 (first entry)
XX
XX Oligonucleotide primer SEQ ID NO 317619 for detecting SNP TSC0028141.
XX
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX Homo sapiens.
XX WO200177384-A2.
XX 18-OCT-2001.
XX
XX 06-APR-2001; 2001WO-IB000713.
XX
XX 07-APR-2000; 2000DE-01019173.
XX (EPIG-) EPIGENOMICS AG.
XX Olek A, Piepenbrock C, Berlin K;
XX WPI; 2001-657177/75.
XX
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
XX designed to detect single-nucleotide polymorphisms and cytosine
XX methylation status.
XX 06-APR-2001; 2001WO-IB000713.

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PS Claim 1; SEQ ID NO 317619; 29pp + Sequence Listing; German.
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
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CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 12 BP; 7 A; 0 C; 4 G; 1 T; 0 U; 0 Other;
    Query Match      12.9%; Score 9.4; DB 1; Length 12;
    Best Local Similarity 90.9%; Pred. No. 1.2e+03;
    Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 918 TCTTTCCTTT 928
Db 11 TCTTTCCTTT 1

RESULT 1474
ABH68309/C
ID ABH68309 standard; DNA; 12 BP.
XX
AC ABH68309;
XX
DT 22-FEB-2002 (first entry)
XX
DE Oligonucleotide primer SEQ ID NO 268286 for detecting SNP TSC0001040.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
WPI; 2001-657177/75.
XX
Set of oligonucleotides, useful for diagnosis and cell typing, is
designed to detect single-nucleotide polymorphisms and cytosine
methylation status.
XX
Claim 1; SEQ ID NO 268286; 29pp + Sequence Listing; German.
XX
This invention describes novel oligonucleotide primers or peptide nucleic
acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
and cytosine methylation status in chemically pretreated genomic DNA. The
oligonucleotides are used for diagnosis and/or prognosis of cancer and a
range of diseases including immune system, gastrointestinal, respiratory,
central nervous system, cardiovascular and metabolic disorders. The
oligomers are also used for detecting cell type differentiation. ABC00010
-ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
represent the oligomers described in the invention. NOTE: The sequence
data for this patent did not form part of the printed specification, but
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PS Claim 1; SEQ ID NO 317619; 29pp + Sequence Listing; German.
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
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CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 12 BP; 7 A; 0 C; 4 G; 1 T; 0 U; 0 Other;
    Query Match      12.9%; Score 9.4; DB 1; Length 12;
    Best Local Similarity 90.9%; Pred. No. 1.2e+03;
    Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 918 TCTTTCCTTT 928
Db 11 TCTTTCCTTT 1

RESULT 1475
ABI18658
ID ABI18658 standard; DNA; 12 BP.
XX
AC ABI18658;
XX
DT 22-FEB-2002 (first entry)
XX
DE Oligonucleotide primer SEQ ID NO 318631 for detecting SNP TSC0028776.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
WPI; 2001-657177/75.
XX
Set of oligonucleotides, useful for diagnosis and cell typing, is
designed to detect single-nucleotide polymorphisms and cytosine
methylation status.
XX
Claim 1; SEQ ID NO 318631; 29pp + Sequence Listing; German.
XX
This invention describes novel oligonucleotide primers or peptide nucleic
acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
and cytosine methylation status in chemically pretreated genomic DNA. The
oligonucleotides are used for diagnosis and/or prognosis of cancer and a
range of diseases including immune system, gastrointestinal, respiratory,
central nervous system, cardiovascular and metabolic disorders. The
oligomers are also used for detecting cell type differentiation. ABC00010
-ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
represent the oligomers described in the invention. NOTE: The sequence
data for this patent did not form part of the printed specification, but
was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 12 BP; 3 A; 0 C; 2 G; 7 T; 0 U; 0 Other;
    Query Match      12.9%; Score 9.4; DB 1; Length 12;
    Best Local Similarity 90.9%; Pred. No. 1.2e+03;
    Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 907 ATTTTCTTGG 917
Db 2 ATTTTCTTGG 12
```

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RESULT 1476
ABH94784
ID ABH94784 standard; DNA; 12 BP.
XX
AC ABH94784;
XX
DT 22-FEB-2002 (first entry)
XX
DE Oligonucleotide primer SEQ ID NO 294777 for detecting SNP TSC0016278.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPiG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
WPI; 2001-657177/75.
XX
PT Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
PF Claim 1; SEQ ID NO 294777; 29pp + Sequence Listing; German.
XX
PR This invention describes novel oligonucleotide primers or peptide nucleic
PR acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
PR and cytosine methylation status in chemically pretreated genomic DNA. The
PR oligonucleotides are used for diagnosis and/or prognosis of cancer and a
PR range of diseases including immune system, gastrointestinal, respiratory,
PR central nervous system, cardiovascular and metabolic disorders. The
PR oligomers are also used for detecting cell type differentiation. ABC00010
PR -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
PR represent the oligomers described in the invention. NOTE: The sequence
PR data for this patent did not form part of the printed specification, but
PR was obtained in electronic format from WIPO at
PR ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 12 BP; 1 A; 3 C; 0 G; 8 T; 0 U; 0 Other;
XX
This invention describes novel oligonucleotide primers or peptide nucleic
XX acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
XX and cytosine methylation status in chemically pretreated genomic DNA. The
XX oligonucleotides are used for diagnosis and/or prognosis of cancer and a
XX range of diseases including immune system, gastrointestinal, respiratory,
XX central nervous system, cardiovascular and metabolic disorders. The
XX oligomers are also used for detecting cell type differentiation. ABC00010
XX -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
XX represent the oligomers described in the invention. NOTE: The sequence
XX data for this patent did not form part of the printed specification, but
XX was obtained in electronic format from WIPO at
XX ftp.wipo.int/pub/published_pct_sequences
XX
SQ Query Match 12.9%; Score 9.4; DB 1; Length 12;
Best Local Similarity 90.9%; Pred. No. 1.2e+03;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 926 TTTTATCCCTC 936
DB 1 TTTTATCCCTC 11

RESULT 1477
ABH75495/c
ID ABH75495 standard; DNA; 12 BP.
XX
AC ABH75495;
XX
DT 22-FEB-2002 (first entry)
XX
DE Oligonucleotide primer SEQ ID NO 275486 for detecting SNP TSC0003907.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPiG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
WPI; 2001-657177/75.
XX
PT Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
PF Claim 1; SEQ ID NO 294777; 29pp + Sequence Listing; German.
XX
PR This invention describes novel oligonucleotide primers or peptide nucleic
PR acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
PR and cytosine methylation status in chemically pretreated genomic DNA. The
PR oligonucleotides are used for diagnosis and/or prognosis of cancer and a
PR range of diseases including immune system, gastrointestinal, respiratory,
PR central nervous system, cardiovascular and metabolic disorders. The
PR oligomers are also used for detecting cell type differentiation. ABC00010
PR -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
PR represent the oligomers described in the invention. NOTE: The sequence
PR data for this patent did not form part of the printed specification, but
PR was obtained in electronic format from WIPO at
PR ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 12 BP; 1 A; 3 C; 0 G; 8 T; 0 U; 0 Other;
XX
This invention describes novel oligonucleotide primers or peptide nucleic
XX acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
XX and cytosine methylation status in chemically pretreated genomic DNA. The
XX oligonucleotides are used for diagnosis and/or prognosis of cancer and a
XX range of diseases including immune system, gastrointestinal, respiratory,
XX central nervous system, cardiovascular and metabolic disorders. The
XX oligomers are also used for detecting cell type differentiation. ABC00010
XX -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
XX represent the oligomers described in the invention. NOTE: The sequence
XX data for this patent did not form part of the printed specification, but
XX was obtained in electronic format from WIPO at
XX ftp.wipo.int/pub/published_pct_sequences
XX
SQ Query Match 12.9%; Score 9.4; DB 1; Length 12;
Best Local Similarity 90.9%; Pred. No. 1.2e+03;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 926 TTTTATCCCTC 936
DB 1 TTTTATCCCTC 11

```

```

XX OS Homo sapiens.
XX PN WO200177384-A2.
XX PD 18-OCT-2001.
XX PF 06-APR-2001; 2001WO-IB000713.
XX PR 07-APR-2000; 2000DE-01019173.
XX PA (EPiG-) EPIGENOMICS AG.
XX PI Olek A, Piepenbrock C, Berlin K;
XX WPI; 2001-657177/75.
XX PT Set of oligonucleotides, useful for diagnosis and cell typing, is
XX designed to detect single-nucleotide polymorphisms and cytosine
XX methylation status.
XX PF Claim 1; SEQ ID NO 275486; 29pp + Sequence Listing; German.
XX PR This invention describes novel oligonucleotide primers or peptide nucleic
XX acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
XX and cytosine methylation status in chemically pretreated genomic DNA. The
XX oligonucleotides are used for diagnosis and/or prognosis of cancer and a
XX range of diseases including immune system, gastrointestinal, respiratory,
XX central nervous system, cardiovascular and metabolic disorders. The
XX oligomers are also used for detecting cell type differentiation. ABC00010
XX -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
XX represent the oligomers described in the invention. NOTE: The sequence
XX data for this patent did not form part of the printed specification, but
XX was obtained in electronic format from WIPO at
XX ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 12 BP; 6 A; 3 C; 1 G; 2 T; 0 U; 0 Other;
XX
Query Match 12.9%; Score 9.4; DB 1; Length 12;
Best Local Similarity 90.9%; Pred. No. 1.2e+03;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 945 TCGTTTAAATGT 955
DB 12 TCGTTTAAATGT 2

RESULT 1478
ABH76118/c
ID ABH76118 standard; DNA; 12 BP.
XX
AC ABH76118;
XX
DT 22-FEB-2002 (first entry)
XX
DE Oligonucleotide primer SEQ ID NO 276111 for detecting SNP TSC0004093.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPiG-) EPIGENOMICS AG.

```

PI Olek A, Piepenbrock C, Berlin K;
 XX WPI; 2001-657177/75.
 XX
 XX Set of oligonucleotides, useful for diagnosis and cell typing, is
 PT designed to detect single-nucleotide polymorphisms and cytosine
 PT methylation status.
 XX
 XX Claim 1; SEQ ID NO 276111; 29pp + Sequence Listing; German.
 XX
 XX This invention describes novel oligonucleotide primers or peptide nucleic
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
 CC and cytosine methylation status in chemically pretreated genomic DNA. The
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
 CC range of diseases including immune system, gastrointestinal, respiratory,
 CC central nervous system, cardiovascular and metabolic disorders. The
 CC oligomers are also used for detecting cell type differentiation. ABC00010
 CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABT00010-ABT82073
 CC represent the oligomers described in the invention. NOTE: The sequence
 CC data for this patent did not form part of the printed specification, but
 CC was obtained in electronic format from WIPO at
 CC ftp.wipo.int/pub/published_pct_sequences
 XX
 XX Sequence 12 BP; 3 A; 1 C; 3 G; 5 T; 0 U; 0 Other;
 SQ
 Query Match 12.9%; Score 9.4; DB 1; Length 12;
 Best Local Similarity 90.9%; Pred. No. 1.2e+03;
 Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
 QY 956 ATCGTACCAA 966
 DB 12 ATCGTACCAA 2
 RESULT 1479
 ABI03618/c
 ID ABI03618 standard; DNA; 12 BP.
 XX
 XX ABI03618;
 XX
 XX 22-FEB-2002 (first entry)
 XX
 XX Oligonucleotide primer SEQ ID NO 303591 for detecting SNP TSC020541.
 DE
 XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
 KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
 KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
 XX
 XX Homo sapiens.
 OS
 XX WO200177384-A2.
 PN
 XX 18-OCT-2001.
 PD
 XX 06-APR-2001; 2001WO-IB000713.
 PF
 XX 07-APR-2000; 2000DE-01019173.
 PR
 XX (EPIG-) EPIGENOMICS AG.
 XX
 XX Olek A, Piepenbrock C, Berlin K;
 PI
 XX WPI; 2001-657177/75.
 XX
 XX Set of oligonucleotides, useful for diagnosis and cell typing, is
 PT designed to detect single-nucleotide polymorphisms and cytosine
 PT methylation status.
 XX
 XX Claim 1; SEQ ID NO 303591; 29pp + Sequence Listing; German.
 XX
 XX This invention describes novel oligonucleotide primers or peptide nucleic
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
 CC and cytosine methylation status in chemically pretreated genomic DNA. The

CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
 CC range of diseases including immune system, gastrointestinal, respiratory,
 CC central nervous system, cardiovascular and metabolic disorders. The
 CC oligomers are also used for detecting cell type differentiation. ABC00010
 CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABT00010-ABT82073
 CC represent the oligomers described in the invention. NOTE: The sequence
 CC data for this patent did not form part of the printed specification, but
 CC was obtained in electronic format from WIPO at
 CC ftp.wipo.int/pub/published_pct_sequences
 XX
 XX Sequence 12 BP; 9 A; 0 C; 3 G; 0 T; 0 U; 0 Other;
 SQ
 Query Match 12.9%; Score 9.4; DB 1; Length 12;
 Best Local Similarity 90.9%; Pred. No. 1.2e+03;
 Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
 QY 918 TCCTTGCTTT 928
 DB 11 TCCTTGCTTT 1
 RESULT 1480
 ABI05670/c
 ID ABI05670 standard; DNA; 12 BP.
 XX
 XX ABI05670;
 XX
 XX 22-FEB-2002 (first entry)
 XX
 XX Oligonucleotide primer SEQ ID NO 305643 for detecting SNP TSC0021541.
 DE
 XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
 KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
 KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
 XX
 XX Homo sapiens.
 OS
 XX WO200177384-A2.
 PN
 XX 18-OCT-2001.
 PD
 XX 06-APR-2001; 2001WO-IB000713.
 PF
 XX 07-APR-2000; 2000DE-01019173.
 PR
 XX (EPIG-) EPIGENOMICS AG.
 XX
 XX Olek A, Piepenbrock C, Berlin K;
 PI
 XX WPI; 2001-657177/75.
 XX
 XX Set of oligonucleotides, useful for diagnosis and cell typing, is
 PT designed to detect single-nucleotide polymorphisms and cytosine
 PT methylation status.
 XX
 XX Claim 1; SEQ ID NO 305643; 29pp + Sequence Listing; German.
 XX
 XX This invention describes novel oligonucleotide primers or peptide nucleic
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
 CC and cytosine methylation status in chemically pretreated genomic DNA. The
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
 CC range of diseases including immune system, gastrointestinal, respiratory,
 CC central nervous system, cardiovascular and metabolic disorders. The
 CC oligomers are also used for detecting cell type differentiation. ABC00010
 CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABT00010-ABT82073
 CC represent the oligomers described in the invention. NOTE: The sequence
 CC data for this patent did not form part of the printed specification, but
 CC was obtained in electronic format from WIPO at
 CC ftp.wipo.int/pub/published_pct_sequences
 XX
 XX Sequence 12 BP; 5 A; 3 C; 0 G; 4 T; 0 U; 0 Other;
 SQ
 Query Match 12.9%; Score 9.4; DB 1; Length 12;

```

Best Local Similarity 90.9%; Pred. No. 1.2e+03; Mismatches 1; Indels 0; Gaps 0;
Matches 10; Conservative 0;

QY 943 ATTGGTTTAAT 953
Db 12 ATTGGTTTAAT 2

RESULT 1481
ABI31802/C
ID ABI31802 standard; DNA; 12 BP.
XX
AC ABI31802;
XX
DT 22-FEB-2002 (first entry)
XX
DE Oligonucleotide primer SEQ ID NO 331775 for detecting SNP TSC0036472.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB0000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPiG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
DR WPI; 2001-657177/75.
XX
Set of oligonucleotides, useful for diagnosis and cell typing, is
designed to detect single-nucleotide polymorphisms and cytosine
methylation status.
XX
Claim 1; SEQ ID NO 331775; 29pp + Sequence Listing; German.
XX
This invention describes novel oligonucleotide primers or peptide nucleic
acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
and cytosine methylation status in chemically pretreated genomic DNA. The
oligonucleotides are used for diagnosis and/or prognosis of cancer and a
range of diseases including immune system, gastrointestinal, respiratory,
central nervous system, cardiovascular and metabolic disorders. The
oligonucleotides are also used for detecting cell type differentiation.
-ABG9989, ABF00010-ABF9989, ABH00010-ABH9989 and ABI00010-ABI82073
represent the oligomers described in the invention. NOTE: The sequence
data for this patent did not form part of the printed specification, but
was obtained in electronic format from WIPO at
ftp.wipo.int/pub/published_pct_sequences
XX
Sequence 12 BP; 7 A; 3 C; 0 G; 2 T; 0 U; 0 Other;
XX
This invention describes novel oligonucleotide primers or peptide nucleic
acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
and cytosine methylation status in chemically pretreated genomic DNA. The
oligonucleotides are used for diagnosis and/or prognosis of cancer and a
range of diseases including immune system, gastrointestinal, respiratory,
central nervous system, cardiovascular and metabolic disorders. The
oligonucleotides are also used for detecting cell type differentiation.
-ABG9989, ABF00010-ABF9989, ABH00010-ABH9989 and ABI00010-ABI82073
represent the oligomers described in the invention. NOTE: The sequence
data for this patent did not form part of the printed specification, but
was obtained in electronic format from WIPO at
ftp.wipo.int/pub/published_pct_sequences
XX
Query Match 12.9%; Score 9.4; DB 1; Length 12;
Best Local Similarity 90.9%; Pred. No. 1.2e+03;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 941 TCATTGGTTTA 951
Db 11 TTATTGGTTTA 1

RESULT 1482
ABI32465/C
ID ABI32465 standard; DNA; 12 BP.
XX
AC ABI32465;
XX

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XX
DT 22-FEB-2002 (first entry)
XX
DE Oligonucleotide primer SEQ ID NO 332438 for detecting SNP TSC0036911.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB0000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPiG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
DR WPI; 2001-657177/75.
XX
Set of oligonucleotides, useful for diagnosis and cell typing, is
designed to detect single-nucleotide polymorphisms and cytosine
methylation status.
XX
Claim 1; SEQ ID NO 332438; 29pp + Sequence Listing; German.
XX
This invention describes novel oligonucleotide primers or peptide nucleic
acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
and cytosine methylation status in chemically pretreated genomic DNA. The
oligonucleotides are used for diagnosis and/or prognosis of cancer and a
range of diseases including immune system, gastrointestinal, respiratory,
central nervous system, cardiovascular and metabolic disorders. The
oligonucleotides are also used for detecting cell type differentiation.
-ABG9989, ABF00010-ABF9989, ABH00010-ABH9989 and ABI00010-ABI82073
represent the oligomers described in the invention. NOTE: The sequence
data for this patent did not form part of the printed specification, but
was obtained in electronic format from WIPO at
ftp.wipo.int/pub/published_pct_sequences
XX
Sequence 12 BP; 9 A; 2 C; 0 G; 1 T; 0 U; 0 Other;
XX
Query Match 12.9%; Score 9.4; DB 1; Length 12;
Best Local Similarity 90.9%; Pred. No. 1.2e+03;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 908 TTTTCCTTGGT 918
Db 12 TTTTCTTGGT 2

RESULT 1483
ABH83378/C
ID ABH83378 standard; DNA; 12 BP.
XX
AC ABH83378;
XX
DT 22-FEB-2002 (first entry)
XX
DE Oligonucleotide primer SEQ ID NO 283371 for detecting SNP TSC0011278.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX

```

[illegible]

CC represent the oligomers described in the invention. NOTE: The sequence
 CC data for this patent did not form part of the printed specification, but
 CC was obtained in electronic format from WIPO at
 CC ftp.wipo.int/pub/published_pct_sequences

XX
 SQ Sequence 12 BP; 0 A; 0 C; 4 G; 8 T; 0 U; 0 Other;

Query Match 12.9%; Score 9.4; DB 1; Length 12;
 Best Local Similarity 90.9%; Pred. No. 1.2e+03;
 Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 913 TTTGGTCTTTG 923
 ||||| |||||
 1 TTTGGTCTTTG 11

Db
 RESULT 1486
 ABH89530
 ID ABH89530 standard; DNA; 12 BP.
 XX
 AC ABH89530;
 XX
 22-FEB-2002 (first entry)

DE
 DE Oligonucleotide primer SEQ ID NO 289523 for detecting SNP TSC0013972.
 XX
 KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
 KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
 KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
 XX
 OS Homo sapiens.
 XX
 PN WO200177384-A2.
 XX
 PD 18-OCT-2001.

PF 06-APR-2001; 2001WO-IB000713.
 XX
 PR 07-APR-2000; 2000DE-01019173.
 XX
 PA (EPIG-) EPIGENOMICS AG.
 XX
 PI Olek A, Piepenbrock C, Berlin K;
 XX
 DR WPI; 2001-657177/75.
 XX
 Set of oligonucleotides, useful for diagnosis and cell typing, is
 designed to detect single-nucleotide polymorphisms and cytosine
 methylation status.

PS Claim 1; SEQ ID NO 289523; 29pp + Sequence Listing; German.

XX This invention describes novel oligonucleotide primers or peptide nucleic
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
 CC and cytosine methylation status in chemically pretreated genomic DNA. The
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
 CC range of diseases including immune system, gastrointestinal, respiratory,
 CC central nervous system, cardiovascular and metabolic disorders. The
 CC oligomers are also used for detecting cell type differentiation. ABC00010
 CC -ABC9989, ABF0010-ABF9989, ABH0010-ABH9989 and AB10010-AB182073
 CC represent the oligomers described in the invention. NOTE: The sequence
 CC data for this patent did not form part of the printed specification, but
 CC was obtained in electronic format from WIPO at
 CC ftp.wipo.int/pub/published_pct_sequences

XX
 SQ Sequence 12 BP; 0 A; 0 C; 2 G; 10 T; 0 U; 0 Other;

Query Match 12.9%; Score 9.4; DB 1; Length 12;
 Best Local Similarity 90.9%; Pred. No. 1.2e+03;
 Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 908 TTTTCTTTGGT 918
 ||||| |||||

Db
 RESULT 1488
 AB165404
 ID AB165404 standard; DNA; 12 BP.
 XX
 AC AB165404;
 XX
 22-FEB-2002 (first entry)

DE
 DE Oligonucleotide primer SEQ ID NO 365377 for detecting SNP TSC0055076.
 XX

Db
 2 TTTTTTTGGT 12

RESULT 1487
 AB176716
 ID AB176716 standard; DNA; 12 BP.
 XX
 AC AB176716;
 XX
 22-FEB-2002 (first entry)

DE
 DE Oligonucleotide primer SEQ ID NO 376689 for detecting SNP TSC0061933.
 XX
 KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
 KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
 KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
 XX
 OS Homo sapiens.
 XX
 PN WO200177384-A2.
 XX
 PD 18-OCT-2001.

PF 06-APR-2001; 2001WO-IB000713.
 XX
 PR 07-APR-2000; 2000DE-01019173.
 XX
 PA (EPIG-) EPIGENOMICS AG.
 XX
 PI Olek A, Piepenbrock C, Berlin K;
 XX
 DR WPI; 2001-657177/75.
 XX
 Set of oligonucleotides, useful for diagnosis and cell typing, is
 designed to detect single-nucleotide polymorphisms and cytosine
 methylation status.

PS Claim 1; SEQ ID NO 376689; 29pp + Sequence Listing; German.

XX This invention describes novel oligonucleotide primers or peptide nucleic
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
 CC and cytosine methylation status in chemically pretreated genomic DNA. The
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
 CC range of diseases including immune system, gastrointestinal, respiratory,
 CC central nervous system, cardiovascular and metabolic disorders. The
 CC oligomers are also used for detecting cell type differentiation. ABC00010
 CC -ABC9989, ABF0010-ABF9989, ABH0010-ABH9989 and AB10010-AB182073
 CC represent the oligomers described in the invention. NOTE: The sequence
 CC data for this patent did not form part of the printed specification, but
 CC was obtained in electronic format from WIPO at
 CC ftp.wipo.int/pub/published_pct_sequences

XX
 SQ Sequence 12 BP; 2 A; 3 C; 0 G; 7 T; 0 U; 0 Other;

Query Match 12.9%; Score 9.4; DB 1; Length 12;
 Best Local Similarity 90.9%; Pred. No. 1.2e+03;
 Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 935 TCCTCTTCATT 945
 ||||| |||||
 1 TCCTCTTCATT 11

Db
 RESULT 1488
 AB165404
 ID AB165404 standard; DNA; 12 BP.
 XX
 AC AB165404;
 XX
 22-FEB-2002 (first entry)

DE
 DE Oligonucleotide primer SEQ ID NO 365377 for detecting SNP TSC0055076.
 XX

KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
 KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
 KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
 XX Homo sapiens.
 XX WO200177384-A2.
 PN 18-OCT-2001.
 PD 06-APR-2001; 2001WO-IB000713.
 PF 07-APR-2000; 2000DE-01019173.
 PR (EPIG-) EPIGENOMICS AG.
 XX Olek A, Piepenbrock C, Berlin K;
 PI WPI; 2001-657177/75.
 XX Set of oligonucleotides, useful for diagnosis and cell typing, is
 PT designed to detect single-nucleotide polymorphisms and cytosine
 PT methylation status.
 XX Claim 1; SEQ ID NO 365377; 29pp + Sequence Listing; German.
 PS This invention describes novel oligonucleotide primers or peptide nucleic
 XX acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
 CC and cytosine methylation status in chemically pretreated genomic DNA. The
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
 CC range of diseases including immune system, gastrointestinal, respiratory,
 CC central nervous system, cardiovascular and metabolic disorders. The
 CC oligomers are also used for detecting cell type differentiation. ABC00010
 CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
 CC represent the oligomers described in the invention. NOTE: The sequence
 CC data for this patent did not form part of the printed specification, but
 CC was obtained in electronic format from WIPO at
 CC ftp.wipo.int/pub/published_pct_sequences
 XX Sequence 12 BP; 0 A; 4 C; 0 G; 8 T; 0 U; 0 Other;
 SQ This invention describes novel oligonucleotide primers or peptide nucleic
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
 CC and cytosine methylation status in chemically pretreated genomic DNA. The
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
 CC range of diseases including immune system, gastrointestinal, respiratory,
 CC central nervous system, cardiovascular and metabolic disorders. The
 CC oligomers are also used for detecting cell type differentiation. ABC00010
 CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
 CC represent the oligomers described in the invention. NOTE: The sequence
 CC data for this patent did not form part of the printed specification, but
 CC was obtained in electronic format from WIPO at
 CC ftp.wipo.int/pub/published_pct_sequences
 XX Sequence 12 BP; 0 A; 4 C; 0 G; 8 T; 0 U; 0 Other;
 SQ Query Match 12.9%; Score 9.4; DB 1; Length 12;
 Best Local Similarity 90.9%; Pred. No. 1.2e+03;
 Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
 QY 905 TCATTTCCTTT 915
 Db 1 TCATTTCCTTT 11
 RESULT 1489
 ABI80239/C
 ID ABI80239 standard; DNA; 12 BP.
 XX AC ABI80239;
 XX 22-FEB-2002 (first entry)
 DT Oligonucleotide primer SEQ ID NO 380212 for detecting SNP TSC0063697.
 DE SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
 XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
 KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
 XX Homo sapiens.
 OS WO200177384-A2.
 PN 18-OCT-2001.
 PD 06-APR-2001; 2001WO-IB000713.
 PF 07-APR-2000; 2000DE-01019173.
 PR (EPIG-) EPIGENOMICS AG.
 XX Olek A, Piepenbrock C, Berlin K;
 PI WPI; 2001-657177/75.
 XX Set of oligonucleotides, useful for diagnosis and cell typing, is
 PT designed to detect single-nucleotide polymorphisms and cytosine
 PT methylation status.
 XX Claim 1; SEQ ID NO 367120; 29pp + Sequence Listing; German.
 PS This invention describes novel oligonucleotide primers or peptide nucleic
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
 CC and cytosine methylation status in chemically pretreated genomic DNA. The
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
 CC range of diseases including immune system, gastrointestinal, respiratory,
 CC central nervous system, cardiovascular and metabolic disorders. The
 CC oligomers are also used for detecting cell type differentiation. ABC00010
 CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
 CC represent the oligomers described in the invention. NOTE: The sequence
 CC data for this patent did not form part of the printed specification, but
 CC was obtained in electronic format from WIPO at
 CC ftp.wipo.int/pub/published_pct_sequences
 XX Sequence 12 BP; 0 A; 4 C; 0 G; 8 T; 0 U; 0 Other;
 SQ Query Match 12.9%; Score 9.4; DB 1; Length 12;
 Best Local Similarity 90.9%; Pred. No. 1.2e+03;
 Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
 QY 905 TCATTTCCTTT 915
 Db 1 TCATTTCCTTT 11
 RESULT 1489
 ABI80239/C
 ID ABI80239 standard; DNA; 12 BP.
 XX AC ABI80239;
 XX 22-FEB-2002 (first entry)
 DT Oligonucleotide primer SEQ ID NO 380212 for detecting SNP TSC0063697.
 DE SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
 XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
 KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
 XX Homo sapiens.
 OS WO200177384-A2.
 PN 18-OCT-2001.
 PD 06-APR-2001; 2001WO-IB000713.
 PF 07-APR-2000; 2000DE-01019173.
 PR (EPIG-) EPIGENOMICS AG.
 XX Olek A, Piepenbrock C, Berlin K;
 PI WPI; 2001-657177/75.
 XX Set of oligonucleotides, useful for diagnosis and cell typing, is
 PT designed to detect single-nucleotide polymorphisms and cytosine
 PT methylation status.
 XX Claim 1; SEQ ID NO 367120; 29pp + Sequence Listing; German.
 PS This invention describes novel oligonucleotide primers or peptide nucleic
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
 CC and cytosine methylation status in chemically pretreated genomic DNA. The
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
 CC range of diseases including immune system, gastrointestinal, respiratory,
 CC central nervous system, cardiovascular and metabolic disorders. The
 CC oligomers are also used for detecting cell type differentiation. ABC00010
 CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
 CC represent the oligomers described in the invention. NOTE: The sequence
 CC data for this patent did not form part of the printed specification, but
 CC was obtained in electronic format from WIPO at
 CC ftp.wipo.int/pub/published_pct_sequences
 XX Sequence 12 BP; 0 A; 4 C; 0 G; 8 T; 0 U; 0 Other;
 SQ Query Match 12.9%; Score 9.4; DB 1; Length 12;
 Best Local Similarity 90.9%; Pred. No. 1.2e+03;
 Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
 QY 929 TATCCCTCCCTC 939
 Db 12 TATCCCTCCCTC 2
 RESULT 1490
 ABI67147
 ID ABI67147 standard; DNA; 12 BP.
 XX AC ABI67147;
 XX 22-FEB-2002 (first entry)
 DT Oligonucleotide primer SEQ ID NO 367120 for detecting SNP TSC0056173.
 DE SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
 XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
 KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
 XX Homo sapiens.
 OS WO200177384-A2.
 PN 18-OCT-2001.
 PD 06-APR-2001; 2001WO-IB000713.
 PF 07-APR-2000; 2000DE-01019173.
 PR (EPIG-) EPIGENOMICS AG.
 XX Olek A, Piepenbrock C, Berlin K;
 PI WPI; 2001-657177/75.
 XX Set of oligonucleotides, useful for diagnosis and cell typing, is
 PT designed to detect single-nucleotide polymorphisms and cytosine
 PT methylation status.
 XX Claim 1; SEQ ID NO 367120; 29pp + Sequence Listing; German.
 PS This invention describes novel oligonucleotide primers or peptide nucleic
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
 CC and cytosine methylation status in chemically pretreated genomic DNA. The
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
 CC range of diseases including immune system, gastrointestinal, respiratory,
 CC central nervous system, cardiovascular and metabolic disorders. The
 CC oligomers are also used for detecting cell type differentiation. ABC00010
 CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
 CC represent the oligomers described in the invention. NOTE: The sequence
 CC data for this patent did not form part of the printed specification, but
 CC was obtained in electronic format from WIPO at
 CC ftp.wipo.int/pub/published_pct_sequences
 XX Sequence 12 BP; 3 A; 0 C; 6 G; 3 T; 0 U; 0 Other;
 SQ Query Match 12.9%; Score 9.4; DB 1; Length 12;
 Best Local Similarity 90.9%; Pred. No. 1.2e+03;
 Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
 QY 929 TATCCCTCCCTC 939
 Db 12 TATCCCTCCCTC 2

CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences

SQ Sequence 12 BP; 2 A; 0 C; 2 G; 8 T; 0 U; 0 Other;
Query Match 12.9%; Score 9.4; DB 1; Length 12;
Best Local Similarity 90.9%; Pred. No. 1.2e+03;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 947 GTTTATGAT 957
Db 2 GTTTATGAT 12
|||||

RESULT 1491
ABH70884
ID ABH70884 standard; DNA; 12 BP.
XX
AC ABH70884;
XX
DT 22-FEB-2002 (first entry)
XX
DE Oligonucleotide primer SEQ ID NO 270861 for detecting SNP TSC0002303.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
FN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
DR WPI; 2001-657177/75.
XX
PT Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
PS Claim 1; SEQ ID NO 270861; 29pp + Sequence Listing; German.
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences

SQ Sequence 12 BP; 1 A; 2 C; 0 G; 9 T; 0 U; 0 Other;
Query Match 12.9%; Score 9.4; DB 1; Length 12;
Best Local Similarity 90.9%; Pred. No. 1.2e+03;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 921 TTGCTTTTAT 931
Db 1 TTGCTTTTAT 11
|||||

RESULT 1492
ABI23105/C
ID ABI23105 standard; DNA; 12 BP.
XX
AC ABI23105;
XX
DT 22-FEB-2002 (first entry)
XX
DE Oligonucleotide primer SEQ ID NO 323078 for detecting SNP TSC0031211.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
FN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
DR WPI; 2001-657177/75.
XX
PT Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
PS Claim 1; SEQ ID NO 323078; 29pp + Sequence Listing; German.
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences

SQ Sequence 12 BP; 8 A; 4 C; 0 G; 0 T; 0 U; 0 Other;
Query Match 12.9%; Score 9.4; DB 1; Length 12;
Best Local Similarity 90.9%; Pred. No. 1.2e+03;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 913 TTGCTTTTAT 923
Db 11 TTGCTTTTAT 11
|||||

RESULT 1493
ABI01560

```

ID  ABI01560 standard; DNA; 12 BP.
XX  AC
XX  ABI01560;
XX  DT
XX  22-FEB-2002 (first entry)
XX  DE
XX  Oligonucleotide primer SEQ ID NO 301533 for detecting SNP TSC0019538.
XX  KW
XX  SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX  KW  peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX  KW  central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX  OS
XX  Homo sapiens.
XX  PN
XX  WO200177384-A2.
XX  PD
XX  18-OCT-2001.
XX  PF
XX  06-APR-2001; 2001WO-IB000713.
XX  PR
XX  07-APR-2000; 2000DE-01019173.
XX  PA
XX  (EPIG-) EPIGENOMICS AG.
XX  PI
XX  Olek A, Piepenbrock C, Berlin K;
XX  DR
XX  WPI; 2001-657177/75.
XX  PT
XX  Set of oligonucleotides, useful for diagnosis and cell typing, is
XX  PT  designed to detect single-nucleotide polymorphisms and cytosine
XX  PT  methylation status.
XX  PS
XX  Claim 1; SEQ ID NO 301533; 29pp + Sequence Listing; German.
XX  CC
XX  This invention describes novel oligonucleotide primers or peptide nucleic
XX  CC  acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
XX  CC  and cytosine methylation status in chemically pretreated genomic DNA. The
XX  CC  oligonucleotides are used for diagnosis and/or prognosis of cancer and a
XX  CC  range of diseases including immune system, gastrointestinal, respiratory,
XX  CC  central nervous system, cardiovascular and metabolic disorders. The
XX  CC  oligomers are also used for detecting cell type differentiation. ABC00010
XX  CC  -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
XX  CC  represent the oligomers described in the invention. NOTE: The sequence
XX  CC  data for this patent did not form part of the printed specification, but
XX  CC  was obtained in electronic format from WIPO at
XX  CC  ftp.wipo.int/pub/published_pct_sequences
XX  SQ
XX  Sequence 12 BP; 5 A; 5 C; 0 G; 2 T; 0 U; 0 Other;
XX  Query Match 12.9%; Score 9.4; DB 1; Length 12;
XX  Best Local Similarity 90.9%; Pred. No. 1.2e+03;
XX  Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
XX  QY 957 TCGCTACCAAC 967
XX  Db 1 TCACCTACCAAC 11
XX  RESULT 1494
XX  ABI04050/c
XX  ID ABI04050 standard; DNA; 12 BP.
XX  AC
XX  ABI04050;
XX  DT
XX  22-FEB-2002 (first entry)
XX  DE
XX  Oligonucleotide primer SEQ ID NO 304023 for detecting SNP TSC0020751.
XX  KW
XX  SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX  KW  peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX  KW  central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX  OS
XX  Homo sapiens.

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XX  WO200177384-A2.
XX  PD
XX  18-OCT-2001.
XX  PF
XX  06-APR-2001; 2001WO-IB000713.
XX  PR
XX  07-APR-2000; 2000DE-01019173.
XX  PA
XX  (EPIG-) EPIGENOMICS AG.
XX  PI
XX  Olek A, Piepenbrock C, Berlin K;
XX  DR
XX  WPI; 2001-657177/75.
XX  PT
XX  Set of oligonucleotides, useful for diagnosis and cell typing, is
XX  PT  designed to detect single-nucleotide polymorphisms and cytosine
XX  PT  methylation status.
XX  PS
XX  Claim 1; SEQ ID NO 304023; 29pp + Sequence Listing; German.
XX  CC
XX  This invention describes novel oligonucleotide primers or peptide nucleic
XX  CC  acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
XX  CC  and cytosine methylation status in chemically pretreated genomic DNA. The
XX  CC  oligonucleotides are used for diagnosis and/or prognosis of cancer and a
XX  CC  range of diseases including immune system, gastrointestinal, respiratory,
XX  CC  central nervous system, cardiovascular and metabolic disorders. The
XX  CC  oligomers are also used for detecting cell type differentiation. ABC00010
XX  CC  -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
XX  CC  represent the oligomers described in the invention. NOTE: The sequence
XX  CC  data for this patent did not form part of the printed specification, but
XX  CC  was obtained in electronic format from WIPO at
XX  CC  ftp.wipo.int/pub/published_pct_sequences
XX  SQ
XX  Sequence 12 BP; 6 A; 0 C; 5 G; 1 T; 0 U; 0 Other;
XX  Query Match 12.9%; Score 9.4; DB 1; Length 12;
XX  Best Local Similarity 90.9%; Pred. No. 1.2e+03;
XX  Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
XX  QY 933 CCTCCTCTTCA 943
XX  Db 11 CCTCCTCTTCA 1
XX  RESULT 1495
XX  ABI30567
XX  ID ABI30567 standard; DNA; 12 BP.
XX  AC
XX  ABI30567;
XX  DT
XX  22-FEB-2002 (first entry)
XX  DE
XX  Oligonucleotide primer SEQ ID NO 330540 for detecting SNP TSC0035573.
XX  KW
XX  SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX  KW  peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX  KW  central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX  OS
XX  Homo sapiens.
XX  PN
XX  WO200177384-A2.
XX  PD
XX  18-OCT-2001.
XX  PF
XX  06-APR-2001; 2001WO-IB000713.
XX  PR
XX  07-APR-2000; 2000DE-01019173.
XX  PA
XX  (EPIG-) EPIGENOMICS AG.
XX  PI
XX  Olek A, Piepenbrock C, Berlin K;
XX  PT
XX  Homo sapiens.

```

DR WPI; 2001-657177/75.
PT Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
XX Claim 1; SEQ ID NO 330540; 29pp + Sequence Listing; German.
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
XX Sequence 12 BP; 2 A; 3 C; 0 G; 7 T; 0 U; 0 Other;
SQ
Query Match 12.9%; Score 9.4; DB 1; Length 12;
Best Local Similarity 90.9%; Pred. No. 1.2e+03;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
QY 922 TGCCCTTTTATC 932
Db 1 TTCCCTTTTATC 11
RESULT 1496
ABI30568
ID ABI30568 standard; DNA; 12 BP.
XX
XX ABI30568;
XX
XX 22-FEB-2002 (first entry)
XX
DE Oligonucleotide primer SEQ ID NO 330541 for detecting SNP TSC0035573.
XX
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
XX Homo sapiens.
XX
XX WO200177384-A2.
XX
XX 18-OCT-2001.
XX
XX 06-APR-2001; 2001WO-IB000713.
XX
XX 07-APR-2000; 2000DE-01019173.
XX
XX (EPIG-) EPIGENOMICS AG.
XX
XX Olek A, Piepenbrock C, Berlin K;
XX
XX WPI; 2001-657177/75.
XX
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
XX designed to detect single-nucleotide polymorphisms and cytosine
XX methylation status.
XX
XX Claim 1; SEQ ID NO 330541; 29pp + Sequence Listing; German.
XX
XX This invention describes novel oligonucleotide primers or peptide nucleic
XX acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
XX and cytosine methylation status in chemically pretreated genomic DNA. The
XX oligonucleotides are used for diagnosis and/or prognosis of cancer and a
XX range of diseases including immune system, gastrointestinal, respiratory,
XX central nervous system, cardiovascular and metabolic disorders. The
XX oligomers are also used for detecting cell type differentiation. ABC00010
XX -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
XX represent the oligomers described in the invention. NOTE: The sequence
XX data for this patent did not form part of the printed specification, but
XX was obtained in electronic format from WIPO at
XX ftp.wipo.int/pub/published_pct_sequences
XX
XX Sequence 12 BP; 2 A; 3 C; 0 G; 7 T; 0 U; 0 Other;
SQ
Query Match 12.9%; Score 9.4; DB 1; Length 12;
Best Local Similarity 90.9%; Pred. No. 1.2e+03;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
QY 922 TGCCCTTTTATC 932
Db 1 TTCCCTTTTATC 11
RESULT 1496
ABI30568
ID ABI30568 standard; DNA; 12 BP.
XX
XX ABI30568;
XX
XX 22-FEB-2002 (first entry)
XX
DE Oligonucleotide primer SEQ ID NO 330541 for detecting SNP TSC0035573.
XX
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
XX Homo sapiens.
XX
XX WO200177384-A2.
XX
XX 18-OCT-2001.
XX
XX 06-APR-2001; 2001WO-IB000713.
XX
XX 07-APR-2000; 2000DE-01019173.
XX
XX (EPIG-) EPIGENOMICS AG.
XX
XX Olek A, Piepenbrock C, Berlin K;
XX
XX WPI; 2001-657177/75.
XX
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
XX designed to detect single-nucleotide polymorphisms and cytosine
XX methylation status.
XX
XX Claim 1; SEQ ID NO 330541; 29pp + Sequence Listing; German.
XX
XX This invention describes novel oligonucleotide primers or peptide nucleic
XX acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
XX and cytosine methylation status in chemically pretreated genomic DNA. The
XX oligonucleotides are used for diagnosis and/or prognosis of cancer and a
XX range of diseases including immune system, gastrointestinal, respiratory,
XX central nervous system, cardiovascular and metabolic disorders. The
XX oligomers are also used for detecting cell type differentiation. ABC00010
XX -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
XX represent the oligomers described in the invention. NOTE: The sequence
XX data for this patent did not form part of the printed specification, but
XX was obtained in electronic format from WIPO at
XX ftp.wipo.int/pub/published_pct_sequences
XX
XX Sequence 12 BP; 2 A; 3 C; 0 G; 7 T; 0 U; 0 Other;
SQ
Query Match 12.9%; Score 9.4; DB 1; Length 12;
Best Local Similarity 90.9%; Pred. No. 1.2e+03;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
QY 922 TGCCCTTTTATC 932
Db 1 TTCCCTTTTATC 11
RESULT 1497
ABI38402/c
ID ABI38402 standard; DNA; 12 BP.
XX
XX ABI38402;
XX
XX 22-FEB-2002 (first entry)
XX
DE Oligonucleotide primer SEQ ID NO 338375 for detecting SNP TSC0040434.
XX
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
XX Homo sapiens.
XX
XX WO200177384-A2.
XX
XX 18-OCT-2001.
XX
XX 06-APR-2001; 2001WO-IB000713.
XX
XX 07-APR-2000; 2000DE-01019173.
XX
XX (EPIG-) EPIGENOMICS AG.
XX
XX Olek A, Piepenbrock C, Berlin K;
XX
XX WPI; 2001-657177/75.
XX
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
XX designed to detect single-nucleotide polymorphisms and cytosine
XX methylation status.
XX
XX Claim 1; SEQ ID NO 338375; 29pp + Sequence Listing; German.
XX
XX This invention describes novel oligonucleotide primers or peptide nucleic
XX acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
XX and cytosine methylation status in chemically pretreated genomic DNA. The
XX oligonucleotides are used for diagnosis and/or prognosis of cancer and a
XX range of diseases including immune system, gastrointestinal, respiratory,
XX central nervous system, cardiovascular and metabolic disorders. The
XX oligomers are also used for detecting cell type differentiation. ABC00010
XX -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
XX represent the oligomers described in the invention. NOTE: The sequence
XX data for this patent did not form part of the printed specification, but
XX was obtained in electronic format from WIPO at
XX ftp.wipo.int/pub/published_pct_sequences
XX
XX Sequence 12 BP; 9 A; 2 C; 0 G; 1 T; 0 U; 0 Other;
SQ
Query Match 12.9%; Score 9.4; DB 1; Length 12;
Best Local Similarity 90.9%; Pred. No. 1.2e+03;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
QY 922 TGCCCTTTTATC 932
Db 1 TTCCCTTTTATC 11
RESULT 1497
ABI38402/c
ID ABI38402 standard; DNA; 12 BP.
XX
XX ABI38402;
XX
XX 22-FEB-2002 (first entry)
XX
DE Oligonucleotide primer SEQ ID NO 338375 for detecting SNP TSC0040434.
XX
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
XX Homo sapiens.
XX
XX WO200177384-A2.
XX
XX 18-OCT-2001.
XX
XX 06-APR-2001; 2001WO-IB000713.
XX
XX 07-APR-2000; 2000DE-01019173.
XX
XX (EPIG-) EPIGENOMICS AG.
XX
XX Olek A, Piepenbrock C, Berlin K;
XX
XX WPI; 2001-657177/75.
XX
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
XX designed to detect single-nucleotide polymorphisms and cytosine
XX methylation status.
XX
XX Claim 1; SEQ ID NO 338375; 29pp + Sequence Listing; German.
XX
XX This invention describes novel oligonucleotide primers or peptide nucleic
XX acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
XX and cytosine methylation status in chemically pretreated genomic DNA. The
XX oligonucleotides are used for diagnosis and/or prognosis of cancer and a
XX range of diseases including immune system, gastrointestinal, respiratory,
XX central nervous system, cardiovascular and metabolic disorders. The
XX oligomers are also used for detecting cell type differentiation. ABC00010
XX -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
XX represent the oligomers described in the invention. NOTE: The sequence
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XX was obtained in electronic format from WIPO at
XX ftp.wipo.int/pub/published_pct_sequences
XX
XX Sequence 12 BP; 9 A; 2 C; 0 G; 1 T; 0 U; 0 Other;
SQ
Query Match 12.9%; Score 9.4; DB 1; Length 12;
Best Local Similarity 90.9%; Pred. No. 1.2e+03;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

```

QY 907 ATTTCCTTTGG 917
Db 11 ATTTCCTTTGG 1
RESULT 1498
ABI41696/c
ID ABI41696 standard; DNA; 12 BP.
XX AC ABI41696;
XX DT 22-FEB-2002 (first entry)
XX DE Oligonucleotide primer SEQ ID NO 341669 for detecting SNP TSC0042170.
XX KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX OS Homo sapiens.
XX PN WO200177384-A2.
XX PD 18-OCT-2001.
XX PF 06-APR-2001; 2001WO-IB000713.
XX PR 07-APR-2000; 2000DE-01019173.
XX PA (EPIC-) EPIGENOMICS AG.
XX PI Olek A, Piepenbrock C, Berlin K;
XX WPI; 2001-657177/75.
XX DR Set of oligonucleotides, useful for diagnosis and cell typing, is
XX PT designed to detect single-nucleotide polymorphisms and cytosine
XX PT methylation status.
XX PS Claim 1; SEQ ID NO 341672; 29pp + Sequence Listing; German.
XX CC This invention describes novel oligonucleotide primers or peptide nucleic
XX CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
XX CC and cytosine methylation status in chemically pretreated genomic DNA. The
XX CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
XX CC range of diseases including immune system, gastrointestinal, respiratory,
XX CC central nervous system, cardiovascular and metabolic disorders. The
XX CC oligomers are also used for detecting cell type differentiation. ABC00010
XX CC -ABC9989, ABF00010-ABF9989, ABH00010-ABH9989 and ABI00010-ABI82073
XX CC represent the oligomers described in the invention. NOTE: The sequence
XX CC data for this patent did not form part of the printed specification, but
XX CC was obtained in electronic format from WIPO at
XX CC ftp.wipo.int/pub/published_pct_sequences
XX SQ Sequence 12 BP; 9 A; 2 C; 0 G; 1 T; 0 U; 0 Other;
XX Query Match 12.9%; Score 9.4; DB 1; Length 12;
XX Best Local Similarity 90.9%; Pred. No. 1.2e+03;
XX Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
QY 940 TTTCATGGTTT 950
Db 12 TTTCATGGTTT 2
RESULT 1499
ABI41699/c
ID ABI41699 standard; DNA; 12 BP.
XX AC ABI41699;
XX DT 22-FEB-2002 (first entry)
XX DE Oligonucleotide primer SEQ ID NO 345509 for detecting SNP TSC0044061.
XX KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX OS Homo sapiens.
XX PN WO200177384-A2.
XX PD 18-OCT-2001.
XX PF 06-APR-2001; 2001WO-IB000713.
XX PR 07-APR-2000; 2000DE-01019173.
XX PA (EPIC-) EPIGENOMICS AG.
XX PI Olek A, Piepenbrock C, Berlin K;
XX WPI; 2001-657177/75.
XX DR Set of oligonucleotides, useful for diagnosis and cell typing, is
XX PT designed to detect single-nucleotide polymorphisms and cytosine
XX PT methylation status.
XX PS Claim 1; SEQ ID NO 341669; 29pp + Sequence Listing; German.
XX CC This invention describes novel oligonucleotide primers or peptide nucleic
XX CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
XX CC and cytosine methylation status in chemically pretreated genomic DNA. The
XX CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
XX CC range of diseases including immune system, gastrointestinal, respiratory,
XX CC central nervous system, cardiovascular and metabolic disorders. The
XX CC oligomers are also used for detecting cell type differentiation. ABC00010
XX CC -ABC9989, ABF00010-ABF9989, ABH00010-ABH9989 and ABI00010-ABI82073
XX CC represent the oligomers described in the invention. NOTE: The sequence
XX CC data for this patent did not form part of the printed specification, but
XX CC was obtained in electronic format from WIPO at
XX CC ftp.wipo.int/pub/published_pct_sequences
XX SQ Sequence 12 BP; 8 A; 1 C; 0 G; 3 T; 0 U; 0 Other;
XX Query Match 12.9%; Score 9.4; DB 1; Length 12;
XX Best Local Similarity 90.9%; Pred. No. 1.2e+03;
XX Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
QY 943 ATTGGTTTAAT 953
Db 12 ATTGGTTTAAT 2
RESULT 1500
ABI45536
ID ABI45536 standard; DNA; 12 BP.
XX AC ABI45536;
XX DT 22-FEB-2002 (first entry)
XX DE Oligonucleotide primer SEQ ID NO 345509 for detecting SNP TSC0044061.
XX KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX OS Homo sapiens.
XX PN WO200177384-A2.
XX PD 18-OCT-2001.
XX PF 06-APR-2001; 2001WO-IB000713.
XX PR 07-APR-2000; 2000DE-01019173.
XX PA (EPIC-) EPIGENOMICS AG.
XX PI Olek A, Piepenbrock C, Berlin K;
XX WPI; 2001-657177/75.
XX DR Set of oligonucleotides, useful for diagnosis and cell typing, is
XX PT designed to detect single-nucleotide polymorphisms and cytosine
XX PT methylation status.
XX PS Claim 1; SEQ ID NO 341672; 29pp + Sequence Listing; German.
XX CC This invention describes novel oligonucleotide primers or peptide nucleic
XX CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
XX CC and cytosine methylation status in chemically pretreated genomic DNA. The
XX CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
XX CC range of diseases including immune system, gastrointestinal, respiratory,
XX CC central nervous system, cardiovascular and metabolic disorders. The
XX CC oligomers are also used for detecting cell type differentiation. ABC00010
XX CC -ABC9989, ABF00010-ABF9989, ABH00010-ABH9989 and ABI00010-ABI82073
XX CC represent the oligomers described in the invention. NOTE: The sequence
XX CC data for this patent did not form part of the printed specification, but
XX CC was obtained in electronic format from WIPO at
XX CC ftp.wipo.int/pub/published_pct_sequences
XX SQ Sequence 12 BP; 8 A; 1 C; 0 G; 3 T; 0 U; 0 Other;
XX Query Match 12.9%; Score 9.4; DB 1; Length 12;
XX Best Local Similarity 90.9%; Pred. No. 1.2e+03;
XX Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
QY 943 ATTGGTTTAAT 953
Db 12 ATTGGTTTAAT 2
RESULT 1500
ABI45536
ID ABI45536 standard; DNA; 12 BP.
XX AC ABI45536;
XX DT 22-FEB-2002 (first entry)
XX DE Oligonucleotide primer SEQ ID NO 345509 for detecting SNP TSC0044061.
XX KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX OS Homo sapiens.
XX PN WO200177384-A2.
XX PD 18-OCT-2001.
XX PF 06-APR-2001; 2001WO-IB000713.
XX PR 07-APR-2000; 2000DE-01019173.
XX PA (EPIC-) EPIGENOMICS AG.
XX PI Olek A, Piepenbrock C, Berlin K;
XX WPI; 2001-657177/75.
XX DR Set of oligonucleotides, useful for diagnosis and cell typing, is
XX PT designed to detect single-nucleotide polymorphisms and cytosine
XX PT methylation status.
XX PS Claim 1; SEQ ID NO 341672; 29pp + Sequence Listing; German.
XX CC This invention describes novel oligonucleotide primers or peptide nucleic
XX CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
XX CC and cytosine methylation status in chemically pretreated genomic DNA. The
XX CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
XX CC range of diseases including immune system, gastrointestinal, respiratory,
XX CC central nervous system, cardiovascular and metabolic disorders. The
XX CC oligomers are also used for detecting cell type differentiation. ABC00010
XX CC -ABC9989, ABF00010-ABF9989, ABH00010-ABH9989 and ABI00010-ABI82073
XX CC represent the oligomers described in the invention. NOTE: The sequence
XX CC data for this patent did not form part of the printed specification, but
XX CC was obtained in electronic format from WIPO at
XX CC ftp.wipo.int/pub/published_pct_sequences
XX SQ Sequence 12 BP; 8 A; 1 C; 0 G; 3 T; 0 U; 0 Other;
XX Query Match 12.9%; Score 9.4; DB 1; Length 12;
XX Best Local Similarity 90.9%; Pred. No. 1.2e+03;
XX Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
QY 943 ATTGGTTTAAT 953
Db 12 ATTGGTTTAAT 2

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PF 06-APR-2001; 2001WO-IB000713.
 PR 07-APR-2000; 2000DE-01019173.
 XX (EPIG-) EPIGENOMICS AG.
 XX Olek A, Piepenbrock C, Berlin K;
 XX WPI; 2001-657177/75.
 XX Set of oligonucleotides, useful for diagnosis and cell typing, is
 PT designed to detect single-nucleotide polymorphisms and cytosine
 PT methylation status.
 XX Claim 1; SEQ ID NO 345509; 29pp + Sequence Listing; German.
 XX This invention describes novel oligonucleotide primers or peptide nucleic
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
 CC and cytosine methylation status in chemically pretreated genomic DNA. The
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
 CC range of diseases including immune system, gastrointestinal, respiratory,
 CC central nervous system, cardiovascular and metabolic disorders. The
 CC oligomers are also used for detecting cell type differentiation. ABC00010
 CC -ABC9989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
 CC represent the oligomers described in the invention. NOTE: The sequence
 CC data for this patent did not form part of the printed specification, but
 CC was obtained in electronic format from WIPO at
 CC ftp.wipo.int/pub/published_pct_sequences
 XX Sequence 12 BP; 3 A; 0 C; 3 G; 6 T; 0 U; 0 Other;
 XX
 XX Query Match 12.9%; Score 9.4; DB 1; Length 12;
 XX Best Local Similarity 90.9%; Pred. No. 1.2e+03;
 XX Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
 QY 946 GGTTCATGTA 956
 DB 1 GTTTCATGTA 11
 RESULT 1501
 ABI46834/C
 ID ABI46834 standard; DNA; 12 BP.
 AC ABI46834;
 XX 22-FEB-2002 (first entry)
 DE Oligonucleotide primer SEQ ID NO 346807 for detecting SNP TSC0044778.
 XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
 XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
 XX central nervous system; gastrointestinal; respiratory; immune; metabolic.
 XX Homo sapiens.
 OS
 XX WO200177384-A2.
 PN 18-OCT-2001.
 XX 06-APR-2001; 2001WO-IB000713.
 PR 07-APR-2000; 2000DE-01019173.
 XX (EPIG-) EPIGENOMICS AG.
 XX Olek A, Piepenbrock C, Berlin K;
 XX WPI; 2001-657177/75.
 XX Set of oligonucleotides, useful for diagnosis and cell typing, is
 PT designed to detect single-nucleotide polymorphisms and cytosine
 PT methylation status.

XX Claim 1; SEQ ID NO 346807; 29pp + Sequence Listing; German.
 XX This invention describes novel oligonucleotide primers or peptide nucleic
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
 CC and cytosine methylation status in chemically pretreated genomic DNA. The
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
 CC range of diseases including immune system, gastrointestinal, respiratory,
 CC central nervous system, cardiovascular and metabolic disorders. The
 CC oligomers are also used for detecting cell type differentiation. ABC00010
 CC -ABC9989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
 CC represent the oligomers described in the invention. NOTE: The sequence
 CC data for this patent did not form part of the printed specification, but
 CC was obtained in electronic format from WIPO at
 CC ftp.wipo.int/pub/published_pct_sequences
 XX Sequence 12 BP; 8 A; 0 C; 1 G; 3 T; 0 U; 0 Other;
 XX
 XX Query Match 12.9%; Score 9.4; DB 1; Length 12;
 XX Best Local Similarity 90.9%; Pred. No. 1.2e+03;
 XX Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
 QY 905 TCATTTTCTTT 915
 DB 12 TCATTTTATTT 2
 RESULT 1502
 ABI47185/C
 ID ABI47185 standard; DNA; 12 BP.
 AC ABI47185;
 XX 22-FEB-2002 (first entry)
 DE Oligonucleotide primer SEQ ID NO 347158 for detecting SNP TSC0044937.
 XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
 XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
 XX central nervous system; gastrointestinal; respiratory; immune; metabolic.
 XX Homo sapiens.
 OS
 XX WO200177384-A2.
 PN 18-OCT-2001.
 XX 06-APR-2001; 2001WO-IB000713.
 PR 07-APR-2000; 2000DE-01019173.
 XX (EPIG-) EPIGENOMICS AG.
 XX Olek A, Piepenbrock C, Berlin K;
 XX WPI; 2001-657177/75.
 XX Set of oligonucleotides, useful for diagnosis and cell typing, is
 PT designed to detect single-nucleotide polymorphisms and cytosine
 PT methylation status.
 XX Claim 1; SEQ ID NO 347158; 29pp + Sequence Listing; German.
 XX This invention describes novel oligonucleotide primers or peptide nucleic
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
 CC and cytosine methylation status in chemically pretreated genomic DNA. The
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
 CC range of diseases including immune system, gastrointestinal, respiratory,
 CC central nervous system, cardiovascular and metabolic disorders. The
 CC oligomers are also used for detecting cell type differentiation. ABC00010
 CC -ABC9989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
 CC represent the oligomers described in the invention. NOTE: The sequence
 CC data for this patent did not form part of the printed specification, but

CC was obtained in electronic format from WIPO at
 CC ftp.wipo.int/pub/published_pct_sequences
 XX
 SQ Sequence 12 BP; 5 A; 2 C; 0 G; 5 T; 0 U; 0 Other;

Query Match 12.9%; Score 9.4; DB 1; Length 12;
 Best Local Similarity 90.9%; Pred. No. 1.2e+03;
 Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 949 TTAATGTATCG 959
 Db 11 TTAATGTATAG 1
 |||||

RESULT 1503

ABI51977
 ID ABI51977 standard; DNA; 12 BP.

XX
 AC ABI51977;
 XX

DT 22-FEB-2002 (first entry)

XX Oligonucleotide primer SEQ ID NO 351950 for detecting SNP TSC0047593.

XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
 KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
 KW central nervous system; gastrointestinal; respiratory; immune; metabolic.

XX Homo sapiens.

XX WO200177384-A2.

XX 18-OCT-2001.

XX 06-APR-2001; 2001WO-IB000713.

XX 07-APR-2000; 2000DE-01019173.

XX (EPIC-) EPIGENOMICS AG.

XX Olek A, Piepenbrock C, Berlin K;

XX WPI; 2001-657177/75.

XX Set of oligonucleotides, useful for diagnosis and cell typing, is
 PT designed to detect single-nucleotide polymorphisms and cytosine
 PT methylation status.

XX Claim 1; SEQ ID NO 351950; 29pp + Sequence Listing; German.

XX This invention describes novel oligonucleotide primers or peptide nucleic
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
 CC and cytosine methylation status in chemically pretreated genomic DNA. The
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
 CC range of diseases including immune system, gastrointestinal, respiratory,
 CC central nervous system, cardiovascular and metabolic disorders. The
 CC oligomers are also used for detecting cell type differentiation. ABC00010
 CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and AB100010-AB182073
 CC represent the oligomers described in the invention. NOTE: The sequence
 CC data for this patent did not form part of the printed specification, but
 CC was obtained in electronic format from WIPO at
 CC ftp.wipo.int/pub/published_pct_sequences

XX Sequence 12 BP; 1 A; 1 C; 0 G; 10 T; 0 U; 0 Other;

Query Match 12.9%; Score 9.4; DB 1; Length 12;
 Best Local Similarity 90.9%; Pred. No. 1.2e+03;
 Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 905 TCATTTCTTT 915
 Db 2 TTAATTTCTTT 12
 |||||

RESULT 1504
 ABI55659/C
 ID ABI55659 standard; DNA; 12 BP.

XX
 AC ABI55659;
 XX

DT 22-FEB-2002 (first entry)

XX Oligonucleotide primer SEQ ID NO 355632 for detecting SNP TSC0049746.

XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
 KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
 KW central nervous system; gastrointestinal; respiratory; immune; metabolic.

XX Homo sapiens.

XX WO200177384-A2.

XX 18-OCT-2001.

XX 06-APR-2001; 2001WO-IB000713.

XX 07-APR-2000; 2000DE-01019173.

XX (EPIC-) EPIGENOMICS AG.

XX Olek A, Piepenbrock C, Berlin K;

XX WPI; 2001-657177/75.

XX Set of oligonucleotides, useful for diagnosis and cell typing, is
 PT designed to detect single-nucleotide polymorphisms and cytosine
 PT methylation status.

XX Claim 1; SEQ ID NO 355632; 29pp + Sequence Listing; German.

XX This invention describes novel oligonucleotide primers or peptide nucleic
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
 CC and cytosine methylation status in chemically pretreated genomic DNA. The
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
 CC range of diseases including immune system, gastrointestinal, respiratory,
 CC central nervous system, cardiovascular and metabolic disorders. The
 CC oligomers are also used for detecting cell type differentiation. ABC00010
 CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and AB100010-AB182073
 CC represent the oligomers described in the invention. NOTE: The sequence
 CC data for this patent did not form part of the printed specification, but
 CC was obtained in electronic format from WIPO at
 CC ftp.wipo.int/pub/published_pct_sequences

XX Sequence 12 BP; 5 A; 3 C; 0 G; 4 T; 0 U; 0 Other;

Query Match 12.9%; Score 9.4; DB 1; Length 12;
 Best Local Similarity 90.9%; Pred. No. 1.2e+03;
 Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 947 GTTTAATGTAT 957
 Db 11 GTTTAATGGAT 1
 |||||

RESULT 1505

ABI72657
 ID ABI72657 standard; DNA; 12 BP.

XX
 AC ABI72657;
 XX

DT 22-FEB-2002 (first entry)

XX Oligonucleotide primer SEQ ID NO 372630 for detecting SNP TSC0059506.

XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
 KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;

CC and cytosine methylation status in chemically pretreated genomic DNA. The
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
 CC range of diseases including immune system, gastrointestinal, respiratory,
 CC central nervous system, cardiovascular and metabolic disorders. The
 CC oligomers are also used for detecting cell type differentiation. ABC00010
 CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
 CC represent the oligomers described in the invention. NOTE: The sequence
 CC data for this patent did not form part of the printed specification, but
 CC was obtained in electronic format from WIPO at
 CC ftp.wipo.int/pub/published_pct_sequences

XX Sequence 12 BP; 4 A; 1 C; 1 G; 6 T; 0 U; 0 Other;

Query Match 12.9%; Score 9.4; DB 1; Length 12;
 Best Local Similarity 90.9%; Pred. No. 1.2e+03;
 Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 948 TTTAATGATC 958

Db 2 TTTAATGATC 12

RESULT 1508

ABI19281/C
 ID ABI19281 standard; DNA; 12 BP.

XX
 AC ABI19281;

DT 22-FEB-2002 (first entry)

DE Oligonucleotide primer SEQ ID NO 319254 for detecting SNP TSC0029136.

XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
 KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
 KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
 XX
 OS Homo sapiens.

XX WO200177384-A2.

FN 18-OCT-2001.

XX 06-APR-2001; 2001WO-IB000713.

XX 07-APR-2000; 2000DE-01019173.

XX (EPIG-) EPIGENOMICS AG.

XX Olek A, Piepenbrock C, Berlin K;

XX WPI; 2001-657177/75.

XX Set of oligonucleotides, useful for diagnosis and cell typing, is
 PT designed to detect single-nucleotide polymorphisms and cytosine
 PT methylation status.

XX Claim 1; SEQ ID NO 319254; 29pp + Sequence Listing; German.

XX This invention describes novel oligonucleotide primers or peptide nucleic
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
 CC and cytosine methylation status in chemically pretreated genomic DNA. The
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
 CC range of diseases including immune system, gastrointestinal, respiratory,
 CC central nervous system, cardiovascular and metabolic disorders. The
 CC oligomers are also used for detecting cell type differentiation. ABC00010
 CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
 CC represent the oligomers described in the invention. NOTE: The sequence
 CC data for this patent did not form part of the printed specification, but
 CC was obtained in electronic format from WIPO at
 CC ftp.wipo.int/pub/published_pct_sequences

XX Sequence 12 BP; 7 A; 0 C; 3 G; 2 T; 0 U; 0 Other;

Query Match 12.9%; Score 9.4; DB 1; Length 12;
 Best Local Similarity 90.9%; Pred. No. 1.2e+03;
 Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 925 CTTTATCCCT 935

Db 12 CTTTATCTCT 2

RESULT 1509

ABH69898
 ID ABH69898 standard; DNA; 12 BP.

XX
 AC ABH69898;

DT 22-FEB-2002 (first entry)

DE Oligonucleotide primer SEQ ID NO 269875 for detecting SNP TSC0001913.

XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
 KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
 KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
 XX
 OS Homo sapiens.

XX WO200177384-A2.

FN 18-OCT-2001.

XX 06-APR-2001; 2001WO-IB000713.

XX 07-APR-2000; 2000DE-01019173.

XX (EPIG-) EPIGENOMICS AG.

XX Olek A, Piepenbrock C, Berlin K;

XX WPI; 2001-657177/75.

XX Set of oligonucleotides, useful for diagnosis and cell typing, is
 PT designed to detect single-nucleotide polymorphisms and cytosine
 PT methylation status.

XX Claim 1; SEQ ID NO 269875; 29pp + Sequence Listing; German.

XX This invention describes novel oligonucleotide primers or peptide nucleic
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
 CC and cytosine methylation status in chemically pretreated genomic DNA. The
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
 CC range of diseases including immune system, gastrointestinal, respiratory,
 CC central nervous system, cardiovascular and metabolic disorders. The
 CC oligomers are also used for detecting cell type differentiation. ABC00010
 CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
 CC represent the oligomers described in the invention. NOTE: The sequence
 CC data for this patent did not form part of the printed specification, but
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XX Sequence 12 BP; 1 A; 1 C; 0 G; 10 T; 0 U; 0 Other;

Query Match 12.9%; Score 9.4; DB 1; Length 12;

Best Local Similarity 90.9%; Pred. No. 1.2e+03;

Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 905 TCATTTCCTTT 915

Db 1 TCATTTCCTTT 11

RESULT 1510

ABH70493/C
 ID ABH70493 standard; DNA; 12 BP.

XX


```

Db      2 TTTAGTGATC 12
||||| |||||
RESULT 1515
ABI08483/C
ID ABI08483 standard; DNA; 12 BP.
XX
AC ABI08483;
XX
XX 22-FEB-2002 (first entry)
XX
DE Oligonucleotide primer SEQ ID NO 308456 for detecting SNP TSC0023023.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB000713.
XX
DE Oligonucleotide primer SEQ ID NO 308456 for detecting SNP TSC0023023.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB000713.
XX
DE Oligonucleotide primer SEQ ID NO 308456; 29pp + Sequence Listing; German.
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABT00010-ABT82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
PS Claim 1; SEQ ID NO 308456; 29pp + Sequence Listing; German.
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABT00010-ABT82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 12 BP; 6 A; 3 C; 0 G; 3 T; 0 U; 0 Other;
Query Match 12.9%; Score 9.4; DB 1; Length 12;
Best Local Similarity 90.9%; Pred. No. 1.2e+03;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
QY 947 GTTTAATGAT 957
Db 12 GTTTAATGAT 2
||||| |||||
RESULT 1516
ABI08694
ID ABI08694 standard; DNA; 12 BP.
XX
AC ABI08694;
XX
XX 22-FEB-2002 (first entry)
XX
DE Oligonucleotide primer SEQ ID NO 308667 for detecting SNP TSC0023148.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB000713.
XX
DE Oligonucleotide primer SEQ ID NO 314441 for detecting SNP TSC0026358.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB000713.
XX

```

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PR 07-APR-2000; 2000DE-01019173.
XX (EPIC-) EPIGENOMICS AG.
XX Olek A, Piepenbrock C, Berlin K;
XX WPI; 2001-657177/75.
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX Claim 1; SEQ ID NO 314441; 29pp + Sequence Listing; German.
XX This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
XX Sequence 12 BP; 9 A; 2 C; 0 G; 1 T; 0 U; 0 Other;
SQ Query Match 12.9%; Score 9.4; DB 1; Length 12;
Best Local Similarity 90.9%; Pred. No. 1.2e+03;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 908 TTTTCTTTGGT 918
Db ||||| |||||
1 TTTTCTTTGGT 11

RESULT 1519
ABI14588
ID ABI14588 standard; DNA; 12 BP.
XX AC ABI14588;
XX 22-FEB-2002 (first entry)
XX Oligonucleotide primer SEQ ID NO 314561 for detecting SNP TSC0026429.
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX Homo sapiens.
XX WO200177384-A2.
XX 18-OCT-2001.
XX 06-APR-2001; 2001WO-IB000713.
XX 07-APR-2000; 2000DE-01019173.
XX (EPIC-) EPIGENOMICS AG.
XX Olek A, Piepenbrock C, Berlin K;
XX WPI; 2001-657177/75.
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX Claim 1; SEQ ID NO 314561; 29pp + Sequence Listing; German.
XX This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
XX Sequence 12 BP; 9 A; 2 C; 0 G; 1 T; 0 U; 0 Other;
SQ Query Match 12.9%; Score 9.4; DB 1; Length 12;
Best Local Similarity 90.9%; Pred. No. 1.2e+03;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 908 TTTTCTTTGGT 918
Db ||||| |||||
12 TTTTCTTTGGT 2

RESULT 1518
ABI14588
ID ABI14588 standard; DNA; 12 BP.
XX AC ABI14588;
XX 22-FEB-2002 (first entry)
XX Oligonucleotide primer SEQ ID NO 314561 for detecting SNP TSC0026429.
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX Homo sapiens.
XX WO200177384-A2.
XX 18-OCT-2001.
XX 06-APR-2001; 2001WO-IB000713.
XX 07-APR-2000; 2000DE-01019173.
XX (EPIC-) EPIGENOMICS AG.
XX Olek A, Piepenbrock C, Berlin K;
XX WPI; 2001-657177/75.
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX Claim 1; SEQ ID NO 314561; 29pp + Sequence Listing; German.
XX This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
XX Sequence 12 BP; 0 A; 1 C; 3 G; 8 T; 0 U; 0 Other;
SQ Query Match 12.9%; Score 9.4; DB 1; Length 12;
Best Local Similarity 90.9%; Pred. No. 1.2e+03;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 908 TTTTCTTTGGT 918
Db ||||| |||||
1 TTTTCTTTGGT 11

RESULT 1519
ABI141018/C
ID ABI141018 standard; DNA; 12 BP.
XX AC ABI141018;
XX 22-FEB-2002 (first entry)
XX Oligonucleotide primer SEQ ID NO 340991 for detecting SNP TSC0041785.
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX Homo sapiens.
XX WO200177384-A2.
XX 18-OCT-2001.
XX 06-APR-2001; 2001WO-IB000713.
XX 07-APR-2000; 2000DE-01019173.
XX (EPIC-) EPIGENOMICS AG.
XX Olek A, Piepenbrock C, Berlin K;
XX WPI; 2001-657177/75.
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX Claim 1; SEQ ID NO 340991; 29pp + Sequence Listing; German.
XX This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
```


OS Homo sapiens.
XX WO200177384-A2.
XX 18-OCT-2001.
PD 06-APR-2001; 2001WO-IB0000713.
XX 07-APR-2000; 2000DE-01019173.
XX (EPIG-) EPIGENOMICS AG.
XX Olek A, Piepenbrock C, Berlin K;
XX WPI; 2001-657177/75.
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX Claim 1; SEQ ID NO 362742; 29pp + Sequence Listing; German.
XX This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX SQ Sequence 12 BP; 1 A; 0 C; 2 G; 9 T; 0 U; 0 Other;
Query Match 12.9%; Score 9.4; DB 1; Length 12;
Best Local Similarity 90.9%; Pred. No. 1.2e-03;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
OY 908 TTTTCTTTGGT 918
DB 1 TTTTCTTTGGT 11
|||||
RESULT 1523
ABI77472/C
ID ABI77472 standard; DNA; 12 BP.
XX AC ABI77472;
XX 22-FEB-2002 (first entry)
XX Oligonucleotide primer SEQ ID NO 377445 for detecting SNP TSC0062332.
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX OS Homo sapiens.
XX WO200177384-A2.
XX 18-OCT-2001.
XX 06-APR-2001; 2001WO-IB0000713.
XX 07-APR-2000; 2000DE-01019173.
XX (EPIG-) EPIGENOMICS AG.
XX Olek A, Piepenbrock C, Berlin K;

XX WPI; 2001-657177/75.
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX Claim 1; SEQ ID NO 377445; 29pp + Sequence Listing; German.
XX This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX SQ Sequence 12 BP; 8 A; 2 C; 0 G; 2 T; 0 U; 0 Other;
Query Match 12.9%; Score 9.4; DB 1; Length 12;
Best Local Similarity 90.9%; Pred. No. 1.2e-03;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
OY 940 TTCATTGGTTT 950
DB 12 TTCATTGGTTT 2
|||||
RESULT 1524
ABI79595
ID ABI79595 standard; DNA; 12 BP.
XX AC ABI79595;
XX 22-FEB-2002 (first entry)
XX Oligonucleotide primer SEQ ID NO 379568 for detecting SNP TSC0063354.
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX OS Homo sapiens.
XX WO200177384-A2.
XX 18-OCT-2001.
XX 06-APR-2001; 2001WO-IB0000713.
XX 07-APR-2000; 2000DE-01019173.
XX (EPIG-) EPIGENOMICS AG.
XX Olek A, Piepenbrock C, Berlin K;
XX WPI; 2001-657177/75.
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX Claim 1; SEQ ID NO 379568; 29pp + Sequence Listing; German.
XX This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX SQ Sequence 12 BP; 8 A; 2 C; 0 G; 2 T; 0 U; 0 Other;

CC range of diseases including immune system, gastrointestinal, respiratory,
 CC central nervous system, cardiovascular and metabolic disorders. The
 CC oligomers are also used for detecting cell type differentiation. ABC00010
 CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
 CC represent the oligomers described in the invention. NOTE: The sequence
 CC data for this patent did not form part of the printed specification, but
 CC was obtained in electronic format from WIPO at
 CC ftp.wipo.int/pub/published_pct_sequences

XX SQ Sequence 12 BP; 3 A; 3 C; 0 G; 6 T; 0 U; 0 Other;

Query Match 12.9%; Score 9.4; DB 1; Length 12;
 Best Local Similarity 90.9%; Pred. No. 1.2e+03;
 Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 925 CTTTATCCCT 935
 DB 1 CTTTATACCT 11

RESULT 1525
 ABH68022
 ID ABH68022 standard; DNA; 12 BP.

AC ABH68022;

DT 22-FEB-2002 (first entry)

DE Oligonucleotide primer SEQ ID NO 267999 for detecting SNP TSC0000784.

XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
 KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
 KW central nervous system; gastrointestinal; respiratory; immune; metabolic.

XX Homo sapiens.

XX WO200177384-A2.

XX 18-OCT-2001.

XX 06-APR-2001; 2001WO-IB000713.

XX 07-APR-2000; 2000DE-01019173.

XX (EPIG-) EPIGENOMICS AG.

XX Olek A, Piepenbrock C, Berlin K;

XX WPI; 2001-657177/75.

XX Set of oligonucleotides, useful for diagnosis and cell typing, is
 PT designed to detect single-nucleotide polymorphisms and cytosine
 PT methylation status.

XX Claim 1; SEQ ID NO 267999; 29pp + Sequence Listing; German.

XX This invention describes novel oligonucleotide primers or peptide nucleic
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
 CC and cytosine methylation status in chemically pretreated genomic DNA. The
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
 CC range of diseases including immune system, gastrointestinal, respiratory,
 CC central nervous system, cardiovascular and metabolic disorders. The
 CC oligomers are also used for detecting cell type differentiation. ABC00010
 CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
 CC represent the oligomers described in the invention. NOTE: The sequence
 CC data for this patent did not form part of the printed specification, but
 CC was obtained in electronic format from WIPO at
 CC ftp.wipo.int/pub/published_pct_sequences

XX SQ Sequence 12 BP; 3 A; 0 C; 2 G; 7 T; 0 U; 0 Other;

Query Match 12.9%; Score 9.4; DB 1; Length 12;
 Best Local Similarity 90.9%; Pred. No. 1.2e+03;

Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
 QY 943 ATTGGTTTAAAT 953
 DB 1 ATTGGTTTAAAT 11

RESULT 1526

ABH98228
 ID ABH98228 standard; DNA; 12 BP.

XX AC ABH98228;

XX 22-FEB-2002 (first entry)

XX Oligonucleotide primer SEQ ID NO 298221 for detecting SNP TSC0017971.

XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
 KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
 KW central nervous system; gastrointestinal; respiratory; immune; metabolic.

XX Homo sapiens.

XX WO200177384-A2.

XX 18-OCT-2001.

XX 06-APR-2001; 2001WO-IB000713.

XX 07-APR-2000; 2000DE-01019173.

XX (EPIG-) EPIGENOMICS AG.

XX Olek A, Piepenbrock C, Berlin K;

XX WPI; 2001-657177/75.

XX Set of oligonucleotides, useful for diagnosis and cell typing, is
 PT designed to detect single-nucleotide polymorphisms and cytosine
 PT methylation status.

XX Claim 1; SEQ ID NO 298221; 29pp + Sequence Listing; German.

XX This invention describes novel oligonucleotide primers or peptide nucleic
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
 CC and cytosine methylation status in chemically pretreated genomic DNA. The
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
 CC range of diseases including immune system, gastrointestinal, respiratory,
 CC central nervous system, cardiovascular and metabolic disorders. The
 CC oligomers are also used for detecting cell type differentiation. ABC00010
 CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
 CC represent the oligomers described in the invention. NOTE: The sequence
 CC data for this patent did not form part of the printed specification, but
 CC was obtained in electronic format from WIPO at
 CC ftp.wipo.int/pub/published_pct_sequences

XX SQ Sequence 12 BP; 0 A; 0 C; 4 G; 8 T; 0 U; 0 Other;

Query Match 12.9%; Score 9.4; DB 1; Length 12;
 Best Local Similarity 90.9%; Pred. No. 1.2e+03;
 Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 913 TTGTGGCTTTG 923
 DB 2 TTGTGGCTTTG 12

RESULT 1527

ABI25355/c
 ID ABI25355 standard; DNA; 12 BP.

XX AC ABI25355;

XX ABI25355;


```

DT 22-FEB-2002 (first entry)
XX Oligonucleotide primer SEQ ID NO 325328 for detecting SNP TSC0032508.
DE
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
KW
XX Homo sapiens.
XX
XX WO200177384-A2.
XX
XX 18-OCT-2001.
XX
XX 06-APR-2001; 2001WO-IB000713.
XX
XX 07-APR-2000; 2000DE-01019173.
XX
XX (EPIG-) EPIGENOMICS AG.
XX
XX Olek A, Piepenbrock C, Berlin K;
XX
XX WPI; 2001-657177/75.
XX
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
XX Claim 1; SEQ ID NO 325328; 29pp + Sequence Listing; German.
XX
XX This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC9989, ABF00010-ABF9989, ABH00010-ABH9989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
XX Sequence 12 BP; 6 A; 1 C; 3 G; 2 T; 0 U; 0 Other;
SQ
XX
XX Query Match 12.9%; Score 9.4; DB 1; Length 12;
XX Best Local Similarity 90.9%; Pred. No. 1.2e+03;
XX Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
XX
XX 904 GTCATTTCCT 914
XX 12 GTCATTTCCT 2
XX
XX RESULT 1528
XX ABH75498/C
XX ID ABH75498 standard; DNA; 12 BP.
XX
XX ABH75498;
XX
XX 22-FEB-2002 (first entry)
XX
XX Oligonucleotide primer SEQ ID NO 275489 for detecting SNP TSC0003907.
XX
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
XX Homo sapiens.
XX
XX WO200177384-A2.
XX
XX 18-OCT-2001.
XX

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XX 06-APR-2001; 2001WO-IB000713.
XX
XX 07-APR-2000; 2000DE-01019173.
XX
XX (EPIG-) EPIGENOMICS AG.
XX
XX Olek A, Piepenbrock C, Berlin K;
XX
XX WPI; 2001-657177/75.
XX
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
XX Claim 1; SEQ ID NO 275489; 29pp + Sequence Listing; German.
XX
XX This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC9989, ABF00010-ABF9989, ABH00010-ABH9989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
XX Sequence 12 BP; 9 A; 3 C; 0 G; 0 T; 0 U; 0 Other;
SQ
XX
XX Query Match 12.9%; Score 9.4; DB 1; Length 12;
XX Best Local Similarity 90.9%; Pred. No. 1.2e+03;
XX Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
XX
XX 908 TTTTCCTTGGT 918
XX 11 TTTTCCTTGGT 1
XX
XX RESULT 1529
XX ABI01219/C
XX ID ABI01219 standard; DNA; 12 BP.
XX
XX ABI01219;
XX
XX 22-FEB-2002 (first entry)
XX
XX Oligonucleotide primer SEQ ID NO 301192 for detecting SNP TSC0019390.
XX
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
XX Homo sapiens.
XX
XX WO200177384-A2.
XX
XX 18-OCT-2001.
XX
XX 06-APR-2001; 2001WO-IB000713.
XX
XX 07-APR-2000; 2000DE-01019173.
XX
XX (EPIG-) EPIGENOMICS AG.
XX
XX Olek A, Piepenbrock C, Berlin K;
XX
XX WPI; 2001-657177/75.
XX
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX

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PT methylation status.
 XX
 PS Claim 1; SEQ ID NO 301192; 29pp + Sequence Listing; German.
 XX
 CC This invention describes novel oligonucleotide primers or peptide nucleic
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
 CC and cytosine methylation status in chemically pretreated genomic DNA. The
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
 CC range of diseases including immune system, gastrointestinal, respiratory,
 CC central nervous system, cardiovascular and metabolic disorders. The
 CC oligomers are also used for detecting cell type differentiation. ABC00010
 CC -ABC9989, ABF00010-ABF9989, ABH00010-ABH9989 and ABI00010-ABI82073
 CC represent the oligomers described in the invention. NOTE: The sequence
 CC data for this patent did not form part of the printed specification, but
 CC was obtained in electronic format from WIPO at
 CC ftp.wipo.int/pub/published_pct_sequences
 XX
 SQ Sequence 12 BP; 5 A; 4 C; 0 G; 3 T; 0 U; 0 Other;
 Query Match 12.9%; Score 9.4; DB 1; Length 12;
 Best Local Similarity 90.9%; Pred. No. 1.2e+03;
 Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
 QY 944 TTGGTTTAATG 954
 DB 11 TAGGTTTAATG 1
 RESULT 1530
 ABH77115
 ID ABH77115 standard; DNA; 12 BP.
 XX
 AC ABH77115;
 DT 22-FEB-2002 (first entry)
 XX
 DE Oligonucleotide primer SEQ ID NO 277108 for detecting SNP TSC0004386.
 XX
 KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
 KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
 KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
 XX
 OS Homo sapiens.
 XX
 PN WO200177384-A2.
 XX
 PD 18-OCT-2001.
 XX
 PF 06-APR-2001; 2001WO-IB000713.
 XX
 PR 07-APR-2000; 2000DE-01019173.
 XX
 PA (EPIG-) EPIGENOMICS AG.
 XX
 PI Olek A, Piepenbrock C, Berlin K;
 XX
 DR WPI; 2001-657177/75.
 XX
 PT Set of oligonucleotides, useful for diagnosis and cell typing, is
 PT designed to detect single-nucleotide polymorphisms and cytosine
 PT methylation status.
 XX
 PS Claim 1; SEQ ID NO 277108; 29pp + Sequence Listing; German.
 XX
 CC This invention describes novel oligonucleotide primers or peptide nucleic
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
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 SQ Sequence 12 BP; 5 A; 4 C; 0 G; 3 T; 0 U; 0 Other;
 Query Match 12.9%; Score 9.4; DB 1; Length 12;
 Best Local Similarity 90.9%; Pred. No. 1.2e+03;
 Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
 QY 944 TTGGTTTAATG 954
 DB 11 TAGGTTTAATG 1
 RESULT 1530
 ABH77115
 ID ABH77115 standard; DNA; 12 BP.
 XX
 AC ABH77115;
 DT 22-FEB-2002 (first entry)
 XX
 DE Oligonucleotide primer SEQ ID NO 277108 for detecting SNP TSC0004386.
 XX
 KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
 KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
 KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
 XX
 OS Homo sapiens.
 XX
 PN WO200177384-A2.
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 PR 07-APR-2000; 2000DE-01019173.
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 DR WPI; 2001-657177/75.
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 XX
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 XX
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 CC central nervous system, cardiovascular and metabolic disorders. The
 CC oligomers are also used for detecting cell type differentiation. ABC00010
 CC -ABC9989, ABF00010-ABF9989, ABH00010-ABH9989 and ABI00010-ABI82073
 CC represent the oligomers described in the invention. NOTE: The sequence

CC data for this patent did not form part of the printed specification, but
 CC was obtained in electronic format from WIPO at
 CC ftp.wipo.int/pub/published_pct_sequences
 XX
 SQ Sequence 12 BP; 1 A; 0 C; 3 G; 8 T; 0 U; 0 Other;
 Query Match 12.9%; Score 9.4; DB 1; Length 12;
 Best Local Similarity 90.9%; Pred. No. 1.2e+03;
 Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
 QY 944 TTGGTTTAATG 954
 DB 2 TTGGTTTAATG 12
 RESULT 1531
 ABH78200/C
 ID ABH78200 standard; DNA; 12 BP.
 XX
 AC ABH78200;
 DT 22-FEB-2002 (first entry)
 XX
 DE Oligonucleotide primer SEQ ID NO 278193 for detecting SNP TSC0005779.
 XX
 KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
 KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
 KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
 XX
 OS Homo sapiens.
 XX
 PN WO200177384-A2.
 XX
 PD 18-OCT-2001.
 XX
 PF 06-APR-2001; 2001WO-IB000713.
 XX
 PR 07-APR-2000; 2000DE-01019173.
 XX
 PA (EPIG-) EPIGENOMICS AG.
 XX
 PI Olek A, Piepenbrock C, Berlin K;
 XX
 DR WPI; 2001-657177/75.
 XX
 PT Set of oligonucleotides, useful for diagnosis and cell typing, is
 PT designed to detect single-nucleotide polymorphisms and cytosine
 PT methylation status.
 XX
 PS Claim 1; SEQ ID NO 278193; 29pp + Sequence Listing; German.
 XX
 CC This invention describes novel oligonucleotide primers or peptide nucleic
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
 CC and cytosine methylation status in chemically pretreated genomic DNA. The
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
 CC range of diseases including immune system, gastrointestinal, respiratory,
 CC central nervous system, cardiovascular and metabolic disorders. The
 CC oligomers are also used for detecting cell type differentiation. ABC00010
 CC -ABC9989, ABF00010-ABF9989, ABH00010-ABH9989 and ABI00010-ABI82073
 CC represent the oligomers described in the invention. NOTE: The sequence
 CC data for this patent did not form part of the printed specification, but
 CC was obtained in electronic format from WIPO at
 CC ftp.wipo.int/pub/published_pct_sequences
 XX
 SQ Sequence 12 BP; 8 A; 2 C; 0 G; 2 T; 0 U; 0 Other;
 Query Match 12.9%; Score 9.4; DB 1; Length 12;
 Best Local Similarity 90.9%; Pred. No. 1.2e+03;
 Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
 QY 941 TCATTGGTTTA 951
 DB 12 TTATTGGTTTA 2

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RESULT 1532
ABI29336
ID ABI29336 standard; DNA; 12 BP.
XX
AC ABI29336;
XX
DT 22-FEB-2002 (first entry)
XX
DE Oligonucleotide primer SEQ ID NO 329309 for detecting SNP TSC0034878.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
FN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
WIPI; 2001-657177/75.
XX
PT Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
PS Claim 1; SEQ ID NO 329309; 29pp + Sequence Listing; German.
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 12 BP; 2 A; 4 C; 0 G; 6 T; 0 U; 0 Other;
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 12 BP; 2 A; 4 C; 0 G; 6 T; 0 U; 0 Other;
XX
Query Match 12.9%; Score 9.4; DB 1; Length 12;
Best Local Similarity 90.9%; Pred. No. 1.2e+03;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
QY 922 TCCCTTTATC 932
DB 2 TACCTTTATC 12
| | | | |
RESULT 1533
ABI33911/c
ID ABI33911 standard; DNA; 12 BP.
XX
AC ABI33911;
XX
DT 22-FEB-2002 (first entry)
XX
DE Oligonucleotide primer SEQ ID NO 333884 for detecting SNP TSC0037810.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;

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KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
FN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
WIPI; 2001-657177/75.
XX
PT Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
PS Claim 1; SEQ ID NO 333884; 29pp + Sequence Listing; German.
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 12 BP; 3 A; 0 C; 7 G; 2 T; 0 U; 0 Other;
XX
Query Match 12.9%; Score 9.4; DB 1; Length 12;
Best Local Similarity 90.9%; Pred. No. 1.2e+03;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
QY 930 ATCCCTCCTCT 940
DB 12 ATCCCTCCTCT 2
| | | | |
RESULT 1534
ABH85108/c
ID ABH85108 standard; DNA; 12 BP.
XX
AC ABH85108;
XX
DT 22-FEB-2002 (first entry)
XX
DE Oligonucleotide primer SEQ ID NO 285101 for detecting SNP TSC0012150.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
FN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX

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Query Match      12.9%; Score 9.4; DB 1; Length 12;
Best Local Similarity 90.9%; Pred. No. 1.2e+03;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 919 CTTTGCCTTT 929
DB 12 CTTTCCCTTT 2

RESULT 1537
ABH87880/c
ID ABH87880 standard; DNA; 12 BP.
XX
AC ABH87880;
XX
DT 22-FEB-2002 (first entry)
XX
DE Oligonucleotide primer SEQ ID NO 287873 for detecting SNP TSC0013289.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
PI WPI; 2001-657177/75.
XX
DR Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
PS Claim 1; SEQ ID NO 287873; 29pp + Sequence Listing; German.
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 12 BP; 5 A; 0 C; 5 G; 2 T; 0 U; 0 Other;

Query Match      12.9%; Score 9.4; DB 1; Length 12;
Best Local Similarity 90.9%; Pred. No. 1.2e+03;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 945 TGGTTTAATGT 955
DB 11 TGGTTGAATGT 1

RESULT 1539.
ABI15780
ID ABI15780 standard; DNA; 12 BP.
XX
AC ABI15780;
XX
DT 22-FEB-2002 (first entry)
XX
DE Oligonucleotide primer SEQ ID NO 315753 for detecting SNP TSC0027081.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX

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XX WO200177384-A2.
XX 18-OCT-2001.
XX
XX 06-APR-2001; 2001WO-1B000713.
XX
XX 07-APR-2000; 2000DE-01019173.
XX
XX (EPIG-) EPIGENOMICS AG.
XX
XX Olek A, Piepenbrock C, Berlin K;
XX
XX WPI; 2001-657177/75.
XX
XX
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
XX Claim 1; SEQ ID NO 315753; 29pp + Sequence Listing; German.
XX
XX This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
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CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC9989, ABF00010-ABF9989, ABH00010-ABH9989 and ABI00010-ABI82073
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CC ftp.wipo.int/pub/published_pct_sequences
XX
XX Sequence 12 BP; 2 A; 0 C; 2 G; 8 T; 0 U; 0 Other;
SQ
XX
XX Query Match 12.9%; Score 9.4; DB 1; Length 12;
XX Best Local Similarity 90.9%; Pred. No. 1.2e+03;
XX Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
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XX QY 907 ATTTCCTTGG 917
XX
XX Db 1 ATTTTCTTGG 11
XX
XX
XX RESULT 1540
XX ABI43563
XX ID ABI43563 standard; DNA; 12 BP.
XX
XX AC ABI43563;
XX
XX 22-FEB-2002 (first entry)
XX
XX Oligonucleotide primer SEQ ID NO 343536 for detecting SNP TSC0010582.
XX
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
XX Homo sapiens.
XX
XX WO200177384-A2.
XX
XX 18-OCT-2001.
XX
XX 06-APR-2001; 2001WO-1B000713.
XX
XX 07-APR-2000; 2000DE-01019173.
XX
XX (EPIG-) EPIGENOMICS AG.
XX
XX Olek A, Piepenbrock C, Berlin K;
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XX WPI; 2001-657177/75.
XX
XX
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
XX Claim 1; SEQ ID NO 343536; 29pp + Sequence Listing; German.
XX
XX This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
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CC -ABC9989, ABF00010-ABF9989, ABH00010-ABH9989 and ABI00010-ABI82073
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XX
XX Sequence 12 BP; 2 A; 0 C; 2 G; 8 T; 0 U; 0 Other;
SQ
XX
XX Query Match 12.9%; Score 9.4; DB 1; Length 12;
XX Best Local Similarity 90.9%; Pred. No. 1.2e+03;
XX Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
XX
XX QY 907 ATTTCCTTGG 917
XX
XX Db 1 ATTTTCTTGG 11
XX
XX
XX RESULT 1541
XX ABI45739/C
XX ID ABI45739 standard; DNA; 12 BP.
XX
XX AC ABI45739;
XX
XX 22-FEB-2002 (first entry)
XX
XX Oligonucleotide primer SEQ ID NO 345712 for detecting SNP TSC0010627.
XX
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
XX Homo sapiens.
XX
XX WO200177384-A2.
XX
XX 18-OCT-2001.
XX
XX 06-APR-2001; 2001WO-1B000713.
XX
XX 07-APR-2000; 2000DE-01019173.
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XX WPI; 2001-657177/75.
XX
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PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
XX Claim 1; SEQ ID NO 345712; 29pp + Sequence Listing; German.
XX
XX This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
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XX Sequence 12 BP; 4 A; 0 C; 2 G; 6 T; 0 U; 0 Other;
SQ
XX
XX Query Match 12.9%; Score 9.4; DB 1; Length 12;
XX Best Local Similarity 90.9%; Pred. No. 1.2e+03;
XX Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
XX
XX QY 943 ATTGGTTTAAAT 953
XX
XX Db 2 ATAGGTTTAAAT 12
XX
XX

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CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC9989, ABF00010-ABF9989, ABH00010-ABH9989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 12 BP; 9 A; 0 C; 1 G; 2 T; 0 U; 0 Other;

Query Match 12.9%; Score 9.4; DB 1; Length 12;
Best Local Similarity 90.9%; Pred. No. 1.2e+03;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 905 TCATTTCTTT 915
Db 12 TTATTTCTTT 2

RESULT 1542
ABI57673
ID ABI57673 standard; DNA; 12 BP.
XX
AC ABI57673;
XX
DT 22-FEB-2002 (first entry)
XX
DE Oligonucleotide primer SEQ ID NO 357646 for detecting SNP TSC0006563.
XX
SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
DR WPI; 2001-657177/75.
XX
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PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
PS Claim 1; SEQ ID NO 357646; 29pp + Sequence Listing; German.
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC9989, ABF00010-ABF9989, ABH00010-ABH9989 and ABI00010-ABI82073
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CC data for this patent did not form part of the printed specification, but
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XX
SQ Sequence 12 BP; 1 A; 6 C; 0 G; 5 T; 0 U; 0 Other;

Query Match 12.9%; Score 9.4; DB 1; Length 12;
Best Local Similarity 90.9%; Pred. No. 1.2e+03;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 943 ATTTGTTTAAAT 953
Db 12 ATTTGTTTAAAT 2

RESULT 1544
ABI73755
ID ABI73755 standard; DNA; 12 BP.
XX
AC ABI73755;
XX
DT 22-FEB-2002 (first entry)
XX

QY 930 ATCCCTCTCT 940
Db 1 ATCCCTCTCT 11

RESULT 1543
ABI59468/C
ID ABI59468 standard; DNA; 12 BP.
XX
AC ABI59468;
XX
DT 22-FEB-2002 (first entry)
XX
DE Oligonucleotide primer SEQ ID NO 359441 for detecting SNP TSC0051607.
XX
SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
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PF 06-APR-2001; 2001WO-IB000713.
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PR 07-APR-2000; 2000DE-01019173.
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PA (EPIG-) EPIGENOMICS AG.
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PI Olek A, Piepenbrock C, Berlin K;
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DR WPI; 2001-657177/75.
XX
PT Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
PS Claim 1; SEQ ID NO 359441; 29pp + Sequence Listing; German.
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC9989, ABF00010-ABF9989, ABH00010-ABH9989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 12 BP; 8 A; 2 C; 0 G; 2 T; 0 U; 0 Other;

Query Match 12.9%; Score 9.4; DB 1; Length 12;
Best Local Similarity 90.9%; Pred. No. 1.2e+03;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 943 ATTTGTTTAAAT 953
Db 12 ATTTGTTTAAAT 2

RESULT 1544
ABI73755
ID ABI73755 standard; DNA; 12 BP.
XX
AC ABI73755;
XX
DT 22-FEB-2002 (first entry)
XX

DE Oligonucleotide primer SEQ ID NO 373728 for detecting SNP TSC0060292.
 XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
 KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
 KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
 XX Homo sapiens.
 OS
 PN WO200177384-A2.
 XX
 PD 18-OCT-2001.
 XX
 PF 06-APR-2001; 2001WO-IB000713.
 XX
 PR 07-APR-2000; 2000DE-01019173.
 XX
 PA (EPIG-) EPIGENOMICS AG.
 XX
 PI Olek A, Piepenbrock C, Berlin K;
 XX
 DR WPI; 2001-657177/75.
 XX
 XX Set of oligonucleotides, useful for diagnosis and cell typing, is
 PT designed to detect single-nucleotide polymorphisms and cytosine
 PT methylation status.
 PT
 XX Claim 1; SEQ ID NO 373728; 29pp + Sequence Listing; German.
 XX
 XX This invention describes novel oligonucleotide primers or peptide nucleic
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
 CC and cytosine methylation status in chemically pretreated genomic DNA. The
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
 CC range of diseases including immune system, gastrointestinal, respiratory,
 CC central nervous system, cardiovascular and metabolic disorders. The
 CC oligomers are also used for detecting cell type differentiation. ABC00010
 CC -ABCS9989, ABF00010-ABF9989, ABH00010-ABH9989 and ABI00010-ABI82073
 CC represent the oligomers described in the invention. NOTE: The sequence
 CC data for this patent did not form part of the printed specification, but
 CC was obtained in electronic format from WIPO at
 CC ftp.wipo.int/pub/published_pct_sequences
 XX
 PS Claim 1; SEQ ID NO 373728; 29pp + Sequence Listing; German.
 XX
 XX This invention describes novel oligonucleotide primers or peptide nucleic
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
 CC and cytosine methylation status in chemically pretreated genomic DNA. The
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
 CC range of diseases including immune system, gastrointestinal, respiratory,
 CC central nervous system, cardiovascular and metabolic disorders. The
 CC oligomers are also used for detecting cell type differentiation. ABC00010
 CC -ABCS9989, ABF00010-ABF9989, ABH00010-ABH9989 and ABI00010-ABI82073
 CC represent the oligomers described in the invention. NOTE: The sequence
 CC data for this patent did not form part of the printed specification, but
 CC was obtained in electronic format from WIPO at
 CC ftp.wipo.int/pub/published_pct_sequences
 XX
 SQ Sequence 12 BP; 2 A; 3 C; 0 G; 7 T; 0 U; 0 Other;
 Query Match 12.9%; Score 9.4; DB 1; Length 12;
 Best Local Similarity 90.9%; Pred. No. 1.2e+03;
 Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
 QY 905 TCATTTTCTTT 915
 DB 1 TCATTACTTT 11
 RESULT 1545
 ID ABI62098/C
 ABIF62098 standard; DNA; 12 BP.
 AC ABI62098;
 XX
 XX 22-FEB-2002 (first entry)
 DT
 DE Oligonucleotide primer SEQ ID NO 362071 for detecting SNP TSC0053011.
 XX
 XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
 KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
 KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
 XX Homo sapiens.
 OS
 PN WO200177384-A2.
 XX
 PD 18-OCT-2001.
 XX
 PF 06-APR-2001; 2001WO-IB000713.
 XX

XX 07-APR-2000; 2000DE-01019173.
 XX (EPIG-) EPIGENOMICS AG.
 PA
 PI Olek A, Piepenbrock C, Berlin K;
 XX
 DR WPI; 2001-657177/75.
 XX
 XX Set of oligonucleotides, useful for diagnosis and cell typing, is
 PT designed to detect single-nucleotide polymorphisms and cytosine
 PT methylation status.
 PT
 XX Claim 1; SEQ ID NO 362071; 29pp + Sequence Listing; German.
 XX
 XX This invention describes novel oligonucleotide primers or peptide nucleic
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
 CC and cytosine methylation status in chemically pretreated genomic DNA. The
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
 CC range of diseases including immune system, gastrointestinal, respiratory,
 CC central nervous system, cardiovascular and metabolic disorders. The
 CC oligomers are also used for detecting cell type differentiation. ABC00010
 CC -ABCS9989, ABF00010-ABF9989, ABH00010-ABH9989 and ABI00010-ABI82073
 CC represent the oligomers described in the invention. NOTE: The sequence
 CC data for this patent did not form part of the printed specification, but
 CC was obtained in electronic format from WIPO at
 CC ftp.wipo.int/pub/published_pct_sequences
 XX
 SQ Sequence 12 BP; 8 A; 2 C; 0 G; 2 T; 0 U; 0 Other;
 Query Match 12.9%; Score 9.4; DB 1; Length 12;
 Best Local Similarity 90.9%; Pred. No. 1.2e+03;
 Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
 QY 947 GTTTAATGTAT 957
 DB 12 GTTTAATGTAT 2
 RESULT 1546
 ID ABI79599/C
 ABI79599 standard; DNA; 12 BP.
 AC ABI79599;
 XX
 XX 22-FEB-2002 (first entry)
 DT
 DE Oligonucleotide primer SEQ ID NO 379572 for detecting SNP TSC0063356.
 XX
 XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
 KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
 KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
 XX Homo sapiens.
 OS
 PN WO200177384-A2.
 XX
 PD 18-OCT-2001.
 XX
 PF 06-APR-2001; 2001WO-IB000713.
 XX
 PR 07-APR-2000; 2000DE-01019173.
 XX
 PA (EPIG-) EPIGENOMICS AG.
 XX
 PI Olek A, Piepenbrock C, Berlin K;
 XX
 DR WPI; 2001-657177/75.
 XX
 XX Set of oligonucleotides, useful for diagnosis and cell typing, is
 PT designed to detect single-nucleotide polymorphisms and cytosine
 PT methylation status.
 PT
 XX


```
PS Claim 1; SEQ ID NO 379572; 29pp + Sequence Listing; German.
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
XX Sequence 12 BP; 8 A; 4 C; 0 G; 0 T; 0 U; 0 Other;
XX
XX Query Match 12.9%; Score 9.4; DB 1; Length 12;
XX Best Local Similarity 90.9%; Pred. No. 1.2e+03;
XX Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
XX
QY 913 TTGGTCTTTG 923
Db 12 TTTCGTTGTTT 2
|||||
RESULT 1547
ABH95268/c
ID ABH95268 standard; DNA; 12 BP.
AC ABH95268;
XX
XX 22-FEB-2002 (first entry)
XX
XX Oligonucleotide primer SEQ ID NO 295261 for detecting SNP TSC0016512.
XX
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
XX Homo sapiens.
XX
XX WO200177384-A2.
XX
XX 18-OCT-2001.
XX
XX 06-APR-2001; 2001WO-IB000713.
XX
XX 07-APR-2000; 2000DE-01019173.
XX
XX (EPIG-) EPIGENOMICS AG.
XX
XX Olek A, Piepenbrock C, Berlin K;
XX
XX WPI; 2001-657177/75.
XX
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
XX designed to detect single-nucleotide polymorphisms and cytosine
XX methylation status.
XX
XX Claim 1; SEQ ID NO 295261; 29pp + Sequence Listing; German.
XX
XX This invention describes novel oligonucleotide primers or peptide nucleic
XX acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
XX and cytosine methylation status in chemically pretreated genomic DNA. The
XX oligonucleotides are used for diagnosis and/or prognosis of cancer and a
XX range of diseases including immune system, gastrointestinal, respiratory,
XX central nervous system, cardiovascular and metabolic disorders. The
XX oligomers are also used for detecting cell type differentiation. ABC00010
XX -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
XX represent the oligomers described in the invention. NOTE: The sequence
XX data for this patent did not form part of the printed specification, but
XX was obtained in electronic format from WIPO at
XX
XX ftp.wipo.int/pub/published_pct_sequences
XX
XX Sequence 12 BP; 8 A; 4 C; 0 G; 0 T; 0 U; 0 Other;
XX
XX Query Match 12.9%; Score 9.4; DB 1; Length 12;
XX Best Local Similarity 90.9%; Pred. No. 1.2e+03;
XX Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
XX
QY 913 TTGGTCTTTG 923
Db 12 TTTCGTTGTTT 2
|||||
RESULT 1548
ABH77356
ID ABH77356 standard; DNA; 12 BP.
XX
XX AC ABH77356;
XX
XX 22-FEB-2002 (first entry)
XX
XX Oligonucleotide primer SEQ ID NO 277349 for detecting SNP TSC0004446.
XX
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
XX Homo sapiens.
XX
XX WO200177384-A2.
XX
XX 18-OCT-2001.
XX
XX 06-APR-2001; 2001WO-IB000713.
XX
XX 07-APR-2000; 2000DE-01019173.
XX
XX (EPIG-) EPIGENOMICS AG.
XX
XX Olek A, Piepenbrock C, Berlin K;
XX
XX WPI; 2001-657177/75.
XX
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
XX designed to detect single-nucleotide polymorphisms and cytosine
XX methylation status.
XX
XX Claim 1; SEQ ID NO 277349; 29pp + Sequence Listing; German.
XX
XX This invention describes novel oligonucleotide primers or peptide nucleic
XX acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
XX and cytosine methylation status in chemically pretreated genomic DNA. The
XX oligonucleotides are used for diagnosis and/or prognosis of cancer and a
XX range of diseases including immune system, gastrointestinal, respiratory,
XX central nervous system, cardiovascular and metabolic disorders. The
XX oligomers are also used for detecting cell type differentiation. ABC00010
XX -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
XX represent the oligomers described in the invention. NOTE: The sequence
XX data for this patent did not form part of the printed specification, but
XX was obtained in electronic format from WIPO at
XX
XX ftp.wipo.int/pub/published_pct_sequences
XX
XX Sequence 12 BP; 3 A; 0 C; 3 G; 6 T; 0 U; 0 Other;
XX
XX Query Match 12.9%; Score 9.4; DB 1; Length 12;
XX Best Local Similarity 90.9%; Pred. No. 1.2e+03;
XX Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
XX
QY 946 GGTTTATGTA 956
Db 1 GGTTTATGTA 11
|||||
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RESULT 1549
ABI05646/c
ID ABI05646 standard; DNA; 12 BP.
XX
XX
AC ABI05646;
XX
DT 22-FEB-2002 (first entry)
XX
DE Oligonucleotide primer SEQ ID NO 305619 for detecting SNP TSC0021533.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
PI PI; 2001-657177/75.
XX
DR Set of oligonucleotides, useful for diagnosis and cell typing, is
XX designed to detect single-nucleotide polymorphisms and cytosine
XX methylation status.
XX
PF Claim 1; SEQ ID NO 305619; 29pp + Sequence Listing; German.
XX
PR This invention describes novel oligonucleotide primers or peptide nucleic
XX acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
XX and cytosine methylation status in chemically pretreated genomic DNA. The
XX oligonucleotides are used for diagnosis and/or prognosis of cancer and a
XX range of diseases including immune system, gastrointestinal, respiratory,
XX central nervous system, cardiovascular and metabolic disorders. The
XX oligomers are also used for detecting cell type differentiation. ABC00010
XX -ABC9989, ABF0010-ABF9989, ABH0010-ABH9989 and ABI0010-ABI82073
XX represent the oligomers described in the invention. NOTE: The sequence
XX data for this patent did not form part of the printed specification, but
XX was obtained in electronic format from WIPO at
XX ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 12 BP; 9 A; 3 C; 0 G; 0 T; 0 U; 0 Other;
XX
XX Query Match 12.9%; Score 9.4; DB 1; Length 12;
XX Best Local Similarity 90.9%; Pred. No. 1.2e+03;
XX Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
XX
Qy 913 TTGTGCTTTG 923
Db 12 TTGTGTTTGT 2
XX
RESULT 1550
ABI05712/c
ID ABI05712 standard; DNA; 12 BP.
XX
XX
AC ABI05712;
XX
DT 22-FEB-2002 (first entry)
XX
DE Oligonucleotide primer SEQ ID NO 305685 for detecting SNP TSC0021562.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX

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XX OS Homo sapiens.
XX
XX PN WO200177384-A2.
XX
XX PD 18-OCT-2001.
XX
XX PF 06-APR-2001; 2001WO-IB000713.
XX
XX PR 07-APR-2000; 2000DE-01019173.
XX
XX PA (EPIG-) EPIGENOMICS AG.
XX
XX PI Olek A, Piepenbrock C, Berlin K;
XX
XX PI PI; 2001-657177/75.
XX
XX DR Set of oligonucleotides, useful for diagnosis and cell typing, is
XX designed to detect single-nucleotide polymorphisms and cytosine
XX methylation status.
XX
XX PF Claim 1; SEQ ID NO 305685; 29pp + Sequence Listing; German.
XX
XX PR This invention describes novel oligonucleotide primers or peptide nucleic
XX acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
XX and cytosine methylation status in chemically pretreated genomic DNA. The
XX oligonucleotides are used for diagnosis and/or prognosis of cancer and a
XX range of diseases including immune system, gastrointestinal, respiratory,
XX central nervous system, cardiovascular and metabolic disorders. The
XX oligomers are also used for detecting cell type differentiation. ABC00010
XX -ABC9989, ABF0010-ABF9989, ABH0010-ABH9989 and ABI0010-ABI82073
XX represent the oligomers described in the invention. NOTE: The sequence
XX data for this patent did not form part of the printed specification, but
XX was obtained in electronic format from WIPO at
XX ftp.wipo.int/pub/published_pct_sequences
XX
XX SQ Sequence 12 BP; 5 A; 0 C; 4 G; 3 T; 0 U; 0 Other;
XX
XX Query Match 12.9%; Score 9.4; DB 1; Length 12;
XX Best Local Similarity 90.9%; Pred. No. 1.2e+03;
XX Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
XX
Qy 926 TTTATCCCTC 936
Db 11 TTTATCCCTC 1
XX
RESULT 1551
ABI33186
ID ABI33186 standard; DNA; 12 BP.
XX
XX
AC ABI33186;
XX
DT 22-FEB-2002 (first entry)
XX
DE Oligonucleotide primer SEQ ID NO 333159 for detecting SNP TSC0037390.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
XX OS Homo sapiens.
XX
XX PN WO200177384-A2.
XX
XX PD 18-OCT-2001.
XX
XX PF 06-APR-2001; 2001WO-IB000713.
XX
XX PR 07-APR-2000; 2000DE-01019173.
XX
XX PA (EPIG-) EPIGENOMICS AG.
XX

```

PI Olek A, Piepenbrock C, Berlin K;
XX WPI; 2001-657177/75.
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX Claim 1; SEQ ID NO 333159; 29pp + Sequence Listing; German.
XX This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
XX Sequence 12 BP; 3 A; 0 C; 3 G; 6 T; 0 U; 0 Other;
SQ Query Match 12.9%; Score 9.4; DB 1; Length 12;
Best Local Similarity 90.9%; Pred. No. 1.2e+03;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 947 GTTTAATGAT 957
DB 2 GTTTAATGAT 12

RESULT 1552
ABIO9449/C
ID ABIO9449 standard; DNA; 12 BP.
XX AC ABIO9449;
XX
XX 22-FEB-2002 (first entry)
XX
XX Oligonucleotide primer SEQ ID NO 309422 for detecting SNP TSC0023520.
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX Homo sapiens.
XX WO200177384-A2.
XX
XX 18-OCT-2001.
XX
XX 06-APR-2001; 2001WO-IB000713.
XX
XX 07-APR-2000; 2000DE-01019173.
XX (EPIG-) EPIGENOMICS AG.
XX Olek A, Piepenbrock C, Berlin K;
XX WPI; 2001-657177/75.
XX
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX Claim 1; SEQ ID NO 309422; 29pp + Sequence Listing; German.
XX This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The

CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
XX Sequence 12 BP; 4 A; 1 C; 4 G; 3 T; 0 U; 0 Other;
SQ Query Match 12.9%; Score 9.4; DB 1; Length 12;
Best Local Similarity 90.9%; Pred. No. 1.2e+03;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 957 TCGCTACCAAC 967
DB 12 TCGCTACTAAC 2

RESULT 1553
ABH85370
ID ABH85370 standard; DNA; 12 BP.
XX AC ABH85370;
XX
XX 22-FEB-2002 (first entry)
XX
XX Oligonucleotide primer SEQ ID NO 285363 for detecting SNP TSC0012260.
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX Homo sapiens.
XX WO200177384-A2.
XX
XX 18-OCT-2001.
XX
XX 06-APR-2001; 2001WO-IB000713.
XX
XX 07-APR-2000; 2000DE-01019173.
XX (EPIG-) EPIGENOMICS AG.
XX Olek A, Piepenbrock C, Berlin K;
XX WPI; 2001-657177/75.
XX
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX Claim 1; SEQ ID NO 285363; 29pp + Sequence Listing; German.
XX This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
XX Sequence 12 BP; 3 A; 0 C; 1 G; 8 T; 0 U; 0 Other;
SQ Query Match 12.9%; Score 9.4; DB 1; Length 12;

```

Best Local Similarity 90.9%; Pred. No. 1.2e+03; Mismatches 0; Indels 0; Gaps 0;
Matches 10; Conservative 0;

QY 943 ATTGGTTTAAAT 953
Db 1 ATTGGTTTAAAT 11

RESULT 1554
ABI10492/c
ID ABI10492 standard; DNA; 12 BP.
XX
AC ABI10492;
XX
DT 22-FEB-2002 (first entry)
XX
DE Oligonucleotide primer SEQ ID NO 310465 for detecting SNP TSC0023992.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
WPI; 2001-657177/75.
XX
Set of oligonucleotides, useful for diagnosis and cell typing, is
designed to detect single-nucleotide polymorphisms and cytosine
methylation status.
XX
Claim 1; SEQ ID NO 310465; 29pp + Sequence Listing; German.
XX
This invention describes novel oligonucleotide primers or peptide nucleic
acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
and cytosine methylation status in chemically pretreated genomic DNA. The
oligonucleotides are used for diagnosis and/or prognosis of cancer and a
range of diseases including immune system, gastrointestinal, respiratory,
central nervous system, cardiovascular and metabolic disorders. The
oligonucleotides are also used for detecting cell type differentiation. ABC00010
-ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
represent the oligomers described in the invention. NOTE: The sequence
data for this patent did not form part of the printed specification, but
was obtained in electronic format from WIPO at
ftp.wipo.int/pub/published_pct_sequences
XX
Sequence 12 BP; 3 A; 0 C; 6 G; 3 T; 0 U; 0 Other;
XX
This invention describes novel oligonucleotide primers or peptide nucleic
acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
and cytosine methylation status in chemically pretreated genomic DNA. The
oligonucleotides are used for diagnosis and/or prognosis of cancer and a
range of diseases including immune system, gastrointestinal, respiratory,
central nervous system, cardiovascular and metabolic disorders. The
oligonucleotides are also used for detecting cell type differentiation. ABC00010
-ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
represent the oligomers described in the invention. NOTE: The sequence
data for this patent did not form part of the printed specification, but
was obtained in electronic format from WIPO at
ftp.wipo.int/pub/published_pct_sequences
XX
Query Match 12.9%; Score 9.4; DB 1; Length 12;
Best Local Similarity 90.9%; Pred. No. 1.2e+03;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 955 TATCGCTACCA 965
Db 11 TATCGCTACCA 1

RESULT 1555
ABI11455
ID ABI11455 standard; DNA; 12 BP.
XX
AC ABI11455;
XX

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XX
DT 22-FEB-2002 (first entry)
XX
DE Oligonucleotide primer SEQ ID NO 311428 for detecting SNP TSC0024493.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
WPI; 2001-657177/75.
XX
Set of oligonucleotides, useful for diagnosis and cell typing, is
designed to detect single-nucleotide polymorphisms and cytosine
methylation status.
XX
Claim 1; SEQ ID NO 311428; 29pp + Sequence Listing; German.
XX
This invention describes novel oligonucleotide primers or peptide nucleic
acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
and cytosine methylation status in chemically pretreated genomic DNA. The
oligonucleotides are used for diagnosis and/or prognosis of cancer and a
range of diseases including immune system, gastrointestinal, respiratory,
central nervous system, cardiovascular and metabolic disorders. The
oligonucleotides are also used for detecting cell type differentiation. ABC00010
-ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
represent the oligomers described in the invention. NOTE: The sequence
data for this patent did not form part of the printed specification, but
was obtained in electronic format from WIPO at
ftp.wipo.int/pub/published_pct_sequences
XX
Sequence 12 BP; 4 A; 1 C; 2 G; 5 T; 0 U; 0 Other;
XX
Query Match 12.9%; Score 9.4; DB 1; Length 12;
Best Local Similarity 90.9%; Pred. No. 1.2e+03;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 946 GGTTTAATGTA 956
Db 2 GATTTAATGTA 12

RESULT 1556
ABH88274/c
ID ABH88274 standard; DNA; 12 BP.
XX
AC ABH88274;
XX
DT 22-FEB-2002 (first entry)
XX
DE Oligonucleotide primer SEQ ID NO 288267 for detecting SNP TSC0013439.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX

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CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences

XX Sequence 12 BP; 5 A; 0 C; 2 G; 5 T; 0 U; 0 Other;

Query Match 12.9%; Score 9.4; DB 1; Length 12;
Best Local Similarity 90.9%; Pred.No.1.2e+03;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0

QY 943 ATGTGTTTAAAT 953
Db | |||||
| AATGGTTTAAAT 11

RESULT 1559
ABI44606/c
ID ID ABI44606 standard; DNA; 12 BP.
AC ABI44606;
AC
AC
DT 22-FEB-2002 (first entry)
DE Oligonucleotide primer SEQ ID NO 344579 for detecting SNP TSC0043622.
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
OS Homo sapiens.
XX
XX WQ200177384-A2.
PN
PD 18-OCT-2001.
XX
XX
PF 06-APR-2001; 2001WO-IB0000713.
PP
PR 07-APR-2000; 2000DE-01019173.
PX
PA (EPIG-) EPIGENOMICS AG.
PY
PI Olek A, Piepenbrock C, Berlin K;
DR
DX WPI; 2001-657177/75.
PT Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.

Claim 1; SEQ ID NO 344579; 29pp + Sequence Listing; German.

This invention describes novel oligonucleotide primers or peptide nucleic
acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
and cytosine methylation status in chemically pretreated genomic DNA. The
oligonucleotides are used for diagnosis and/or prognosis of cancer and a
range of diseases including immune system, gastrointestinal, respiratory,
central nervous system, cardiovascular and metabolic disorders. The
oligonucleotides are also used for detecting cell type differentiation. ABC00010-
ABCG99989, ABF00010-ABFG99989, ABH00010-ABHG99989 and ABI00010-ABI02073
represent the oligomers described in the invention. NOTE: The sequence
data for this patent did not form part of the printed specification, but
was obtained in electronic format from WIPO at
ftp.wipo.int/pub/published_pct_sequences

XX
XX Sequence 12 BP; 8 A; 0 C; 3 G; 1 T; 0 U; 0 Other;

Query Match 12.9%; Score 9.4; DB 1; Length 12;
Best Local Similarity 90.9%; Pred.No.1.2e+03;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0

QY 926 TTTTATCCTC 936
| |||||

KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
 KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
 KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
 OS Homo sapiens.
 XX WO200177384-A2.
 PN 18-OCT-2001.
 PD 06-APR-2001; 2001WO-IB000713.
 PF 07-APR-2000; 2000DE-01019173.
 PR (EPIG-) EPIGENOMICS AG.
 XX Olek A, Piepenbrock C, Berlin K;
 XX WPI; 2001-657177/75.
 XX Set of oligonucleotides, useful for diagnosis and cell typing, is
 PT designed to detect single-nucleotide polymorphisms and cytosine
 PT methylation status.
 XX Claim 1; SEQ ID NO 352062; 29pp + Sequence Listing; German.
 PS This invention describes novel oligonucleotide primers or peptide nucleic
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
 CC and cytosine methylation status in chemically pretreated genomic DNA. The
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
 CC range of diseases including immune system, gastrointestinal, respiratory,
 CC central nervous system, cardiovascular and metabolic disorders. The
 CC oligomers are also used for detecting cell type differentiation. ABC00010
 CC -ABC9989, ABF00010-ABF9989, ABH00010-ABH9989 and AB100010-AB182073
 CC represent the oligomers described in the invention. NOTE: The sequence
 CC data for this patent did not form part of the printed specification, but
 CC was obtained in electronic format from WIPO at
 CC ftp.wipo.int/pub/published_pct_sequences
 XX SQ Sequence 12 BP; 8 A; 1 C; 1 G; 2 T; 0 U; 0 Other;
 Query Match 12.9%; Score 9.4; DB 1; Length 12;
 Best Local Similarity 90.9%; Pred. No. 1.2e-03;
 Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
 QY 904 GTCATTTCTT 914
 Db |||||
 12 GTATTTCTT 2
 RESULT 1562
 ABI56543
 ID ABI56543 standard; DNA; 12 BP.
 XX AC ABI56543;
 XX 22-FEB-2002 (first entry)
 DT Oligonucleotide primer SEQ ID NO 356516 for detecting SNP TSC0050162.
 DE SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
 XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
 KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
 OS Homo sapiens.
 XX WO200177384-A2.
 PN 18-OCT-2001.
 PD 06-APR-2001; 2001WO-IB000713.
 PF 07-APR-2000; 2000DE-01019173.
 PR

XX (EPIG-) EPIGENOMICS AG.
 PA Olek A, Piepenbrock C, Berlin K;
 PI WPI; 2001-657177/75.
 DR Set of oligonucleotides, useful for diagnosis and cell typing, is
 XX designed to detect single-nucleotide polymorphisms and cytosine
 PT methylation status.
 XX Claim 1; SEQ ID NO 356516; 29pp + Sequence Listing; German.
 PS This invention describes novel oligonucleotide primers or peptide nucleic
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
 CC and cytosine methylation status in chemically pretreated genomic DNA. The
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
 CC range of diseases including immune system, gastrointestinal, respiratory,
 CC central nervous system, cardiovascular and metabolic disorders. The
 CC oligomers are also used for detecting cell type differentiation. ABC00010
 CC -ABC9989, ABF00010-ABF9989, ABH00010-ABH9989 and AB100010-AB182073
 CC represent the oligomers described in the invention. NOTE: The sequence
 CC data for this patent did not form part of the printed specification, but
 CC was obtained in electronic format from WIPO at
 CC ftp.wipo.int/pub/published_pct_sequences
 XX SQ Sequence 12 BP; 4 A; 0 C; 3 G; 5 T; 0 U; 0 Other;
 Query Match 12.9%; Score 9.4; DB 1; Length 12;
 Best Local Similarity 90.9%; Pred. No. 1.2e-03;
 Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
 QY 946 GGTTTAATGTA 956
 Db ||||||
 2 GATTTAATGTA 12
 RESULT 1563
 ABI80978
 ID ABI80978 standard; DNA; 12 BP.
 XX AC ABI80978;
 XX 22-FEB-2002 (first entry)
 DT Oligonucleotide primer SEQ ID NO 380951 for detecting SNP TSC0064069.
 DE SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
 KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
 KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
 OS Homo sapiens.
 XX WO200177384-A2.
 PN 18-OCT-2001.
 PD 06-APR-2001; 2001WO-IB000713.
 PF 07-APR-2000; 2000DE-01019173.
 PR (EPIG-) EPIGENOMICS AG.
 XX Olek A, Piepenbrock C, Berlin K;
 XX WPI; 2001-657177/75.
 XX Set of oligonucleotides, useful for diagnosis and cell typing, is
 PT designed to detect single-nucleotide polymorphisms and cytosine
 PT methylation status.
 XX Claim 1; SEQ ID NO 380951; 29pp + Sequence Listing; German.
 PS

CC This invention describes novel oligonucleotide primers or peptide nucleic acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP) and cytosine methylation status in chemically pretreated genomic DNA. The CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a CC range of diseases including immune system, gastrointestinal, respiratory, CC central nervous system, cardiovascular and metabolic disorders. The CC oligomers are also used for detecting cell type differentiation. ABC00010 CC -ABC9989, ABF00010-ABF9989, ABH00010-ABH9989 and ABI00010-ABI82073 CC represent the oligomers described in the invention. NOTE: The sequence CC data for this patent did not form part of the printed specification, but CC was obtained in electronic format from WIPO at CC ftp.wipo.int/pub/published_pct_sequences

XX SQ Sequence 12 BP; 2 A; 2 C; 0 G; 8 T; 0 U; 0 Other;

Query Match 12.9%; Score 9.4; DB 1; Length 12;
Best Local Similarity 90.9%; Pred. No. 1.2e+03;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 920 TTTCCTTTTA 930
Db 2 TTTCCTTTTA 12
||| |||||

RESULT 1564
ABI18986
ID ABI18986 standard; DNA; 12 BP.
XX AC ABI18986;
XX DT 22-FEB-2002 (first entry)
XX DE Oligonucleotide primer SEQ ID NO 381959 for detecting SNP TSC0004779.
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX OS Homo sapiens.
XX FN WO200177384-A2.
XX PD 18-OCT-2001.
XX PF 06-APR-2001; 2001WO-IB000713.
XX PR 07-APR-2000; 2000DE-01019173.
XX PA (EPIG-) EPIGENOMICS AG.
XX PI Olek A, Piepenbrock C, Berlin K;
XX WPI; 2001-657177/75.
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX Claim 1; SEQ ID NO 381959; 29pp + Sequence Listing; German.
XX This invention describes novel oligonucleotide primers or peptide nucleic acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP) and cytosine methylation status in chemically pretreated genomic DNA. The CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a CC range of diseases including immune system, gastrointestinal, respiratory, CC central nervous system, cardiovascular and metabolic disorders. The CC oligomers are also used for detecting cell type differentiation. ABC00010 CC -ABC9989, ABF00010-ABF9989, ABH00010-ABH9989 and ABI00010-ABI82073 CC represent the oligomers described in the invention. NOTE: The sequence CC data for this patent did not form part of the printed specification, but CC was obtained in electronic format from WIPO at CC ftp.wipo.int/pub/published_pct_sequences

SQ Sequence 12 BP; 2 A; 3 C; 0 G; 7 T; 0 U; 0 Other;

Query Match 12.9%; Score 9.4; DB 1; Length 12;
Best Local Similarity 90.9%; Pred. No. 1.2e+03;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 925 CTTTATCCCT 935
Db 1 CTTTATCCCT 11
|||||

RESULT 1565
ABH68546
ID ABH68546 standard; DNA; 12 BP.
XX AC ABH68546;
XX DT 22-FEB-2002 (first entry)
XX DE Oligonucleotide primer SEQ ID NO 268523 for detecting SNP TSC0001198.
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX OS Homo sapiens.
XX FN WO200177384-A2.
XX PD 18-OCT-2001.
XX PF 06-APR-2001; 2001WO-IB000713.
XX PR 07-APR-2000; 2000DE-01019173.
XX PA (EPIG-) EPIGENOMICS AG.
XX PI Olek A, Piepenbrock C, Berlin K;
XX WPI; 2001-657177/75.
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX Claim 1; SEQ ID NO 268523; 29pp + Sequence Listing; German.
XX This invention describes novel oligonucleotide primers or peptide nucleic acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP) and cytosine methylation status in chemically pretreated genomic DNA. The CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a CC range of diseases including immune system, gastrointestinal, respiratory, CC central nervous system, cardiovascular and metabolic disorders. The CC oligomers are also used for detecting cell type differentiation. ABC00010 CC -ABC9989, ABF00010-ABF9989, ABH00010-ABH9989 and ABI00010-ABI82073 CC represent the oligomers described in the invention. NOTE: The sequence CC data for this patent did not form part of the printed specification, but CC was obtained in electronic format from WIPO at CC ftp.wipo.int/pub/published_pct_sequences

XX SQ Sequence 12 BP; 1 A; 4 C; 0 G; 7 T; 0 U; 0 Other;

Query Match 12.9%; Score 9.4; DB 1; Length 12;
Best Local Similarity 90.9%; Pred. No. 1.2e+03;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 924 CTTTATCCCT 934
Db 2 CTTTATCCCT 12
|||||

RESULT 1566
ABH72306/c


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DR WPI; 2001-657177/75.
XX
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
XX Claim 1; SEQ ID NO 329412; 29pp + Sequence Listing; German.
XX
XX This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
XX Sequence 12 BP; 1 A; 0 C; 4 G; 7 T; 0 U; 0 Other;
SQ
Query Match 12.9%; Score 9.4; DB 1; Length 12;
Best Local Similarity 90.9%; Pred. No. 1.2e+03;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
QY 913 TTGGTCTTTG 923
DB 1 TTGGTATTG 11
RESULT 1569
ABI35162
ID ABI35162 standard; DNA; 12 BP.
XX
XX ABI35162;
XX
XX 22-FEB-2002 (first entry)
XX
XX Oligonucleotide primer SEQ ID NO 335135 for detecting SNP TSC0038619.
XX
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
XX Homo sapiens.
XX
XX WO200177384-A2.
XX
XX 18-OCT-2001.
XX
XX 06-APR-2001; 2001WO-IB000713.
XX
XX 07-APR-2000; 2000DE-01019173.
XX
XX (EPIG-) EPIGENOMICS AG.
XX
XX Olek A, Piepenbrock C, Berlin K;
XX
XX WPI; 2001-657177/75.
XX
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
XX Claim 1; SEQ ID NO 335135; 29pp + Sequence Listing; German.
XX
XX This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
XX Sequence 12 BP; 1 A; 0 C; 4 G; 7 T; 0 U; 0 Other;
SQ
Query Match 12.9%; Score 9.4; DB 1; Length 12;
Best Local Similarity 90.9%; Pred. No. 1.2e+03;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
QY 913 TTGGTCTTTG 923
DB 1 TTGGTATTG 11
RESULT 1570
ABI42659/C
ID ABI42659 standard; DNA; 12 BP.
XX
XX ABI42659;
XX
XX 22-FEB-2002 (first entry)
XX
XX Oligonucleotide primer SEQ ID NO 342632 for detecting SNP TSC0042638.
XX
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
XX Homo sapiens.
XX
XX WO200177384-A2.
XX
XX 18-OCT-2001.
XX
XX 06-APR-2001; 2001WO-IB000713.
XX
XX 07-APR-2000; 2000DE-01019173.
XX
XX (EPIG-) EPIGENOMICS AG.
XX
XX Olek A, Piepenbrock C, Berlin K;
XX
XX WPI; 2001-657177/75.
XX
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
XX Claim 1; SEQ ID NO 342632; 29pp + Sequence Listing; German.
XX
XX This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
XX Sequence 12 BP; 7 A; 3 C; 0 G; 2 T; 0 U; 0 Other;
SQ
Query Match 12.9%; Score 9.4; DB 1; Length 12;
Best Local Similarity 90.9%; Pred. No. 1.2e+03;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
```



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PF 06-APR-2001; 2001WO-IB000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
PI WPI; 2001-657177/75.
XX
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
XX Claim 1; SEQ ID NO 360645; 29pp + Sequence Listing; German.
XX
XX This invention describes novel oligonucleotide primers or peptide nucleic
XX acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
XX and cytosine methylation status in chemically pretreated genomic DNA. The
XX oligonucleotides are used for diagnosis and/or prognosis of cancer and a
XX range of diseases including immune system, gastrointestinal, respiratory,
XX central nervous system, cardiovascular and metabolic disorders. The
XX oligomers are also used for detecting cell type differentiation. ABC00010
XX -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
XX represent the oligomers described in the invention. NOTE: The sequence
XX data for this patent did not form part of the printed specification, but
XX was obtained in electronic format from WIPO at
XX ftp.wipo.int/pub/published_pct_sequences
XX
XX Sequence 12 BP; 7 A; 2 C; 0 G; 3 T; 0 U; 0 Other;
XX
XX Query Match 12.9%; Score 9.4; DB 1; Length 12;
XX Best Local Similarity 90.9%; Pred. No. 1.2e+03;
XX Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
XX
QY 943 ATTGGTTTAAAT 953
DB 11 ATTGGTTTATT 1
XX
RESULT 1575
ABI75354/C
ID ABI75354 standard; DNA; 12 BP.
XX
AC ABI75354;
XX
AC ABI75354;
XX
DT 22-FEB-2002 (first entry)
XX
DE Oligonucleotide primer SEQ ID NO 365497 for detecting SNP TSC0055166.
XX
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
XX Homo sapiens.
XX
XX WO200177384-A2.
XX
XX 18-OCT-2001.
XX
XX 06-APR-2001; 2001WO-IB000713.
XX
XX 07-APR-2000; 2000DE-01019173.
XX
XX (EPIG-) EPIGENOMICS AG.
XX
XX Olek A, Piepenbrock C, Berlin K;
XX
XX WPI; 2001-657177/75.
XX
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
XX Claim 1; SEQ ID NO 365497; 29pp + Sequence Listing; German.
XX
XX This invention describes novel oligonucleotide primers or peptide nucleic
XX acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
XX and cytosine methylation status in chemically pretreated genomic DNA. The
XX oligonucleotides are used for diagnosis and/or prognosis of cancer and a
XX range of diseases including immune system, gastrointestinal, respiratory,
XX central nervous system, cardiovascular and metabolic disorders. The
XX oligomers are also used for detecting cell type differentiation. ABC00010
XX -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
XX represent the oligomers described in the invention. NOTE: The sequence
XX data for this patent did not form part of the printed specification, but
XX was obtained in electronic format from WIPO at
XX ftp.wipo.int/pub/published_pct_sequences
XX
XX Sequence 12 BP; 2 A; 1 C; 0 G; 9 T; 0 U; 0 Other;
XX
XX Query Match 12.9%; Score 9.4; DB 1; Length 12;
XX Best Local Similarity 90.9%; Pred. No. 1.2e+03;
XX Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
XX
QY 905 TCATTTTCTTT 915
DB 2 TAATTTTCTTT 12
XX
RESULT 1574
ABI75354/C
ID ABI75354 standard; DNA; 12 BP.
XX
AC ABI75354;
XX
AC ABI75354;
XX
DT 22-FEB-2002 (first entry)
XX
DE Oligonucleotide primer SEQ ID NO 375327 for detecting SNP TSC0061202.
XX
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
XX Homo sapiens.
XX
XX WO200177384-A2.
XX
XX 18-OCT-2001.
XX
XX 06-APR-2001; 2001WO-IB000713.
XX
XX 07-APR-2000; 2000DE-01019173.
XX
XX (EPIG-) EPIGENOMICS AG.
XX
XX Olek A, Piepenbrock C, Berlin K;
XX
XX WPI; 2001-657177/75.
XX
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.

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CC was obtained in electronic format from WIPO at
 CC ftp.wipo.int/pub/published_pct_sequences
 XX
 SQ Sequence 12 BP; 7 A; 3 C; 0 G; 2 T; 0 U; 0 Other;
 Query Match 12.9%; Score 9.4; DB 1; Length 12;
 Best Local Similarity 90.9%; Pred. No. 1.2e+03;
 Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 947 GTTAAATGAT 957
 Db 12 GTTAAATGTT 2
 |||||

RESULT 1576
 ABH92716/C
 ID ABH92716 standard; DNA; 12 BP.
 XX AC ABH92716;
 XX
 DT 22-FEB-2002 (first entry)
 XX
 DE Oligonucleotide primer SEQ ID NO 292709 for detecting SNP TSC0015314.
 XX
 KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
 KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
 KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
 XX
 OS Homo sapiens.
 XX
 PN WO200177384-A2.
 XX
 PD 18-OCT-2001.
 XX
 PF 06-APR-2001; 2001WO-IB000713.
 XX
 PR 07-APR-2000; 2000DE-01019173.
 XX
 PA (EPIG-) EPIGENOMICS AG.
 XX
 PI Olek A, Piepenbrock C, Berlin K;
 XX
 DR WPI; 2001-657177/75.
 XX
 PT Set of oligonucleotides, useful for diagnosis and cell typing, is
 PT designed to detect single-nucleotide polymorphisms and cytosine
 PT methylation status.
 XX
 PS Claim 1; SEQ ID NO 292709; 29pp + Sequence Listing; German.
 XX
 CC This invention describes novel oligonucleotide primers or peptide nucleic
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
 CC and cytosine methylation status in chemically pretreated genomic DNA. The
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
 CC range of diseases including immune system, gastrointestinal, respiratory,
 CC central nervous system, cardiovascular and metabolic disorders. The
 CC oligomers are also used for detecting cell type differentiation. ABC00010
 CC -ABC9989, ABF00010-ABF9989, ABH00010-ABH9989 and ABI00010-ABI82073
 CC represent the oligomers described in the invention. NOTE: The sequence
 CC data for this patent did not form part of the printed specification, but
 CC was obtained in electronic format from WIPO at
 CC ftp.wipo.int/pub/published_pct_sequences
 XX
 SQ Sequence 12 BP; 8 A; 2 C; 0 G; 2 T; 0 U; 0 Other;
 Query Match 12.9%; Score 9.4; DB 1; Length 12;
 Best Local Similarity 90.9%; Pred. No. 1.2e+03;
 Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 940 TTCATTGGTTT 950
 Db 11 TTATTGGTTT 1
 |||||

RESULT 1578
 ABH69570/C
 ID ABH69570 standard; DNA; 12 BP.
 XX AC ABH69570;
 XX
 DT 22-FEB-2002 (first entry)
 XX
 DE Oligonucleotide primer SEQ ID NO 259547 for detecting SNP TSC0001803.
 XX
 KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
 KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;

RESULT 1577
 ABH92813/C
 ID ABH92813 standard; DNA; 12 BP.
 XX AC ABH92813;
 XX
 DT 22-FEB-2002 (first entry)
 XX
 DE Oligonucleotide primer SEQ ID NO 292806 for detecting SNP TSC0015368.
 XX
 KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
 KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
 KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
 XX
 OS Homo sapiens.
 XX
 PN WO200177384-A2.
 XX
 PD 18-OCT-2001.
 XX
 PF 06-APR-2001; 2001WO-IB000713.
 XX
 PR 07-APR-2000; 2000DE-01019173.
 XX
 PA (EPIG-) EPIGENOMICS AG.
 XX
 PI Olek A, Piepenbrock C, Berlin K;
 XX
 DR WPI; 2001-657177/75.
 XX
 PT Set of oligonucleotides, useful for diagnosis and cell typing, is
 PT designed to detect single-nucleotide polymorphisms and cytosine
 PT methylation status.
 XX
 PS Claim 1; SEQ ID NO 292806; 29pp + Sequence Listing; German.
 XX
 CC This invention describes novel oligonucleotide primers or peptide nucleic
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
 CC and cytosine methylation status in chemically pretreated genomic DNA. The
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
 CC range of diseases including immune system, gastrointestinal, respiratory,
 CC central nervous system, cardiovascular and metabolic disorders. The
 CC oligomers are also used for detecting cell type differentiation. ABC00010
 CC -ABC9989, ABF00010-ABF9989, ABH00010-ABH9989 and ABI00010-ABI82073
 CC represent the oligomers described in the invention. NOTE: The sequence
 CC data for this patent did not form part of the printed specification, but
 CC was obtained in electronic format from WIPO at
 CC ftp.wipo.int/pub/published_pct_sequences
 XX
 SQ Sequence 12 BP; 5 A; 4 C; 0 G; 3 T; 0 U; 0 Other;
 Query Match 12.9%; Score 9.4; DB 1; Length 12;
 Best Local Similarity 90.9%; Pred. No. 1.2e+03;
 Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 944 TTGGTTTAATG 954
 Db 12 TTGGTTTAATG 2
 |||||

central nervous system; gastrointestinal; respiratory; immune; metabolic.

OS Homo sapiens.

XX WO200177384-A2.

XX 18-OCT-2001.

XX 06-APR-2001; 2001WO-IB000713.

XX 07-APR-2000; 2000DE-01019173.

XX (EPIG-) EPIGENOMICS AG.

XX Olek A, Piepenbrock C, Berlin K;

XX WPI; 2001-657177/75.

XX Set of oligonucleotides, useful for diagnosis and cell typing, is designed to detect single-nucleotide polymorphisms and cytosine methylation status.

XX Claim 1; SEQ ID NO 269547; 29pp + Sequence Listing; German.

XX This invention describes novel oligonucleotide primers or peptide nucleic acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP) and cytosine methylation status in chemically pretreated genomic DNA. The oligonucleotides are used for diagnosis and/or prognosis of cancer and a range of diseases including immune system, gastrointestinal, respiratory, central nervous system, cardiovascular and metabolic disorders. The oligomers are also used for detecting cell type differentiation. ABC00010 -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073 represent the oligomers described in the invention. NOTE: The sequence data for this patent did not form part of the printed specification, but was obtained in electronic format from WIPO at ftp.wipo.int/pub/published_pct_sequences

XX Query Match 12.9%; Score 9.4; DB 1; Length 12;

XX Best Local Similarity 90.9%; Pred. No. 1.2e+03;

XX Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 932 CCTCTCTCTTC 942

DB 11 CCTCTCTCTTC 1

RESULT 1579

ABH75419

ID ABH75419 standard; DNA; 12 BP.

XX ABH75419;

XX 22-FEB-2002 (first entry)

XX Oligonucleotide primer SEQ ID NO 275410 for detecting SNP TSC0003885.

XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;

XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;

XX central nervous system; gastrointestinal; respiratory; immune; metabolic.

XX Homo sapiens.

XX WO200177384-A2.

XX 18-OCT-2001.

XX 06-APR-2001; 2001WO-IB000713.

XX 07-APR-2000; 2000DE-01019173.

XX (EPIG-) EPIGENOMICS AG.

XX Olek A, Piepenbrock C, Berlin K;

XX WPI; 2001-657177/75.

XX Set of oligonucleotides, useful for diagnosis and cell typing, is designed to detect single-nucleotide polymorphisms and cytosine methylation status.

XX Claim 1; SEQ ID NO 275410; 29pp + Sequence Listing; German.

XX This invention describes novel oligonucleotide primers or peptide nucleic acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP) and cytosine methylation status in chemically pretreated genomic DNA. The oligonucleotides are used for diagnosis and/or prognosis of cancer and a range of diseases including immune system, gastrointestinal, respiratory, central nervous system, cardiovascular and metabolic disorders. The oligomers are also used for detecting cell type differentiation. ABC00010 -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073 represent the oligomers described in the invention. NOTE: The sequence data for this patent did not form part of the printed specification, but was obtained in electronic format from WIPO at ftp.wipo.int/pub/published_pct_sequences

XX Query Match 12.9%; Score 9.4; DB 1; Length 12;

XX Best Local Similarity 90.9%; Pred. No. 1.2e+03;

XX Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 944 TTGGTTTAATG 954

DB 2 TTGGTTTAATG 12

RESULT 1580

ABH77484

ID ABH77484 standard; DNA; 12 BP.

XX ABH77484;

XX 22-FEB-2002 (first entry)

XX Oligonucleotide primer SEQ ID NO 277477 for detecting SNP TSC0004481.

XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;

XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;

XX central nervous system; gastrointestinal; respiratory; immune; metabolic.

XX Homo sapiens.

XX WO200177384-A2.

XX 18-OCT-2001.

XX 06-APR-2001; 2001WO-IB000713.

XX 07-APR-2000; 2000DE-01019173.

XX (EPIG-) EPIGENOMICS AG.

XX Olek A, Piepenbrock C, Berlin K;

XX WPI; 2001-657177/75.

XX Set of oligonucleotides, useful for diagnosis and cell typing, is designed to detect single-nucleotide polymorphisms and cytosine methylation status.

XX Claim 1; SEQ ID NO 277477; 29pp + Sequence Listing; German.

XX This invention describes novel oligonucleotide primers or peptide nucleic acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP) and cytosine methylation status in chemically pretreated genomic DNA. The oligonucleotides are used for diagnosis and/or prognosis of cancer and a range of diseases including immune system, gastrointestinal, respiratory, central nervous system, cardiovascular and metabolic disorders. The oligomers are also used for detecting cell type differentiation. ABC00010 -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073 represent the oligomers described in the invention. NOTE: The sequence data for this patent did not form part of the printed specification, but was obtained in electronic format from WIPO at ftp.wipo.int/pub/published_pct_sequences

XX Query Match 12.9%; Score 9.4; DB 1; Length 12;

XX Best Local Similarity 90.9%; Pred. No. 1.2e+03;

XX Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 944 TTGGTTTAATG 954

DB 2 TTGGTTTAATG 12

RESULT 1580

ABH77484

ID ABH77484 standard; DNA; 12 BP.

XX ABH77484;

XX 22-FEB-2002 (first entry)

XX Oligonucleotide primer SEQ ID NO 277477 for detecting SNP TSC0004481.

XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;

XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;

XX central nervous system; gastrointestinal; respiratory; immune; metabolic.

XX Homo sapiens.

XX WO200177384-A2.

XX 18-OCT-2001.

XX 06-APR-2001; 2001WO-IB000713.

XX 07-APR-2000; 2000DE-01019173.

XX (EPIG-) EPIGENOMICS AG.

XX Olek A, Piepenbrock C, Berlin K;

XX WPI; 2001-657177/75.

XX Set of oligonucleotides, useful for diagnosis and cell typing, is designed to detect single-nucleotide polymorphisms and cytosine methylation status.

XX Claim 1; SEQ ID NO 277477; 29pp + Sequence Listing; German.

XX This invention describes novel oligonucleotide primers or peptide nucleic acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP) and cytosine methylation status in chemically pretreated genomic DNA. The oligonucleotides are used for diagnosis and/or prognosis of cancer and a range of diseases including immune system, gastrointestinal, respiratory, central nervous system, cardiovascular and metabolic disorders. The oligomers are also used for detecting cell type differentiation. ABC00010 -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073 represent the oligomers described in the invention. NOTE: The sequence data for this patent did not form part of the printed specification, but was obtained in electronic format from WIPO at ftp.wipo.int/pub/published_pct_sequences

CC and cytosine methylation status in chemically pretreated genomic DNA. The
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
 CC range of diseases including immune system, gastrointestinal, respiratory,
 CC central nervous system, cardiovascular and metabolic disorders. The
 CC oligomers are also used for detecting cell type differentiation. ABC00010
 CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABH00010-ABH82073
 CC represent the oligomers described in the invention. NOTE: The sequence
 CC data for this patent did not form part of the printed specification, but
 CC was obtained in electronic format from WIPO at
 CC ftp.wipo.int/pub/published_pct_sequences

XX Sequence 12 BP; 3 A; 0 C; 2 G; 7 T; 0 U; 0 Other;

Query Match 12.9%; Score 9.4; DB 1; Length 12;
 Best Local Similarity 90.9%; Pred. No. 1.2e+03;
 Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 944 TTGGTTTAATG 954

Db 1 TTGGTTTAATG 11

RESULT 1581

ABI04806

ID ABI04806 standard; DNA; 12 BP.

XX AC

XX ABI04806;

XX DT 22-FEB-2002 (first entry)

XX DE Oligonucleotide primer SEQ ID NO 304779 for detecting SNP TSC0021108.

XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
 KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
 KW central nervous system; gastrointestinal; respiratory; immune; metabolic.

XX OS Homo sapiens.

XX PN WO200177384-A2.

XX PD 18-OCT-2001.

XX PF 06-APR-2001; 2001WO-IB000713.

XX PR 07-APR-2000; 2000DE-01019173.

XX PA (EPIG-) EPIGENOMICS AG.

XX PI Olek A, Piepenbrock C, Berlin K;

XX WPI; 2001-657177/75.

XX Set of oligonucleotides, useful for diagnosis and cell typing, is
 PT designed to detect single-nucleotide polymorphisms and cytosine
 PT methylation status.

XX Claim 1; SEQ ID NO 304779; 29pp + Sequence Listing; German.

XX This invention describes novel oligonucleotide primers or peptide nucleic
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
 CC and cytosine methylation status in chemically pretreated genomic DNA. The
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
 CC range of diseases including immune system, gastrointestinal, respiratory,
 CC central nervous system, cardiovascular and metabolic disorders. The
 CC oligomers are also used for detecting cell type differentiation. ABC00010
 CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABH00010-ABH82073
 CC represent the oligomers described in the invention. NOTE: The sequence
 CC data for this patent did not form part of the printed specification, but
 CC was obtained in electronic format from WIPO at
 CC ftp.wipo.int/pub/published_pct_sequences

XX Sequence 12 BP; 1 A; 6 C; 0 G; 5 T; 0 U; 0 Other;

Query Match 12.9%; Score 9.4; DB 1; Length 12;
 Best Local Similarity 90.9%; Pred. No. 1.2e+03;
 Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 924 CCTTTTATCCC 934

Db 2 CCTTTTATCCC 12

RESULT 1582

ABI30458/c

ID ABI30458 standard; DNA; 12 BP.

XX AC

XX ABI30458;

XX DT 22-FEB-2002 (first entry)

XX DE Oligonucleotide primer SEQ ID NO 330431 for detecting SNP TSC0035524.

XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
 KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
 KW central nervous system; gastrointestinal; respiratory; immune; metabolic.

XX OS Homo sapiens.

XX PN WO200177384-A2.

XX PD 18-OCT-2001.

XX PF 06-APR-2001; 2001WO-IB000713.

XX PR 07-APR-2000; 2000DE-01019173.

XX PA (EPIG-) EPIGENOMICS AG.

XX PI Olek A, Piepenbrock C, Berlin K;

XX WPI; 2001-657177/75.

XX Set of oligonucleotides, useful for diagnosis and cell typing, is
 PT designed to detect single-nucleotide polymorphisms and cytosine
 PT methylation status.

XX Claim 1; SEQ ID NO 330431; 29pp + Sequence Listing; German.

XX This invention describes novel oligonucleotide primers or peptide nucleic
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
 CC and cytosine methylation status in chemically pretreated genomic DNA. The
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
 CC range of diseases including immune system, gastrointestinal, respiratory,
 CC central nervous system, cardiovascular and metabolic disorders. The
 CC oligomers are also used for detecting cell type differentiation. ABC00010
 CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABH00010-ABH82073
 CC represent the oligomers described in the invention. NOTE: The sequence
 CC data for this patent did not form part of the printed specification, but
 CC was obtained in electronic format from WIPO at
 CC ftp.wipo.int/pub/published_pct_sequences

XX Sequence 12 BP; 10 A; 0 C; 1 G; 1 T; 0 U; 0 Other;

Query Match 12.9%; Score 9.4; DB 1; Length 12;
 Best Local Similarity 90.9%; Pred. No. 1.2e+03;
 Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 905 TCATTTTCTTT 915

Db 11 TCATTTTCTTT 1

RESULT 1583

ABH81369/c

ID ABH81369 standard; DNA; 12 BP.

XX

ABH81369;
22-FEB-2002 (first entry)
Oligonucleotide primer SEQ ID NO 281362 for detecting SNP TSC0009680.
SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
central nervous system; gastrointestinal; respiratory; immune; metabolic.
Homo sapiens.
WO200177384-A2.
18-OCT-2001.
06-APR-2001; 2001WO-IB000713.
07-APR-2000; 2000DE-01019173.
(EPIG-) EPIGENOMICS AG.
Olek A, Piepenbrock C, Berlin K;
WPI; 2001-657177/75.
Set of oligonucleotides, useful for diagnosis and cell typing, is
designed to detect single-nucleotide polymorphisms and cytosine
methylation status.
Claim 1; SEQ ID NO 281362; 29pp + Sequence Listing; German.
This invention describes novel oligonucleotide primers or peptide nucleic
acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
and cytosine methylation status in chemically pretreated genomic DNA. The
oligonucleotides are used for diagnosis and/or prognosis of cancer and a
range of diseases including immune system, gastrointestinal, respiratory,
central nervous system, cardiovascular and metabolic disorders. The
oligonucleotides are also used for detecting cell type differentiation. ABC00010
-ABC9989, ABF00010-ABF9989, ABH00010-ABH9989 and ABI00010-ABI82073
represent the oligomers described in the invention. NOTE: The sequence
data for this patent did not form part of the printed specification, but
was obtained in electronic format from WIPO at
ftp.wipo.int/pub/published_pct_sequences
Sequence 12 BP; 6 A; 1 C; 3 G; 2 T; 0 U; 0 Other;
Query Match 12.9%; Score 9.4; DB 1; Length 12;
Best Local Similarity 90.9%; Pred. No. 1.2e+03;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
QY 903 GGTCAATTTCT 913
Db 12 GATCAATTTCT 2
RESULT 1584
ABI07319/C
ID ABI07319 standard; DNA; 12 BP.
AC ABI07319;
XX
XX
22-FEB-2002 (first entry)
Oligonucleotide primer SEQ ID NO 307292 for detecting SNP TSC002421.
SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
central nervous system; gastrointestinal; respiratory; immune; metabolic.
Homo sapiens.
WO200177384-A2.
18-OCT-2001.
06-APR-2001; 2001WO-IB000713.
07-APR-2000; 2000DE-01019173.
(EPIG-) EPIGENOMICS AG.
Olek A, Piepenbrock C, Berlin K;
WPI; 2001-657177/75.
Set of oligonucleotides, useful for diagnosis and cell typing, is
designed to detect single-nucleotide polymorphisms and cytosine
methylation status.
Claim 1; SEQ ID NO 307292; 29pp + Sequence Listing; German.
This invention describes novel oligonucleotide primers or peptide nucleic
acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
and cytosine methylation status in chemically pretreated genomic DNA. The
oligonucleotides are used for diagnosis and/or prognosis of cancer and a
range of diseases including immune system, gastrointestinal, respiratory,
central nervous system, cardiovascular and metabolic disorders. The
oligonucleotides are also used for detecting cell type differentiation. ABC00010
-ABC9989, ABF00010-ABF9989, ABH00010-ABH9989 and ABI00010-ABI82073
represent the oligomers described in the invention. NOTE: The sequence
data for this patent did not form part of the printed specification, but
was obtained in electronic format from WIPO at
ftp.wipo.int/pub/published_pct_sequences
Sequence 12 BP; 6 A; 1 C; 3 G; 2 T; 0 U; 0 Other;
Query Match 12.9%; Score 9.4; DB 1; Length 12;
Best Local Similarity 90.9%; Pred. No. 1.2e+03;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
QY 903 GGTCAATTTCT 913
Db 12 GATCAATTTCT 2
RESULT 1584
ABI07319/C
ID ABI07319 standard; DNA; 12 BP.
AC ABI07319;
XX
XX
22-FEB-2002 (first entry)
Oligonucleotide primer SEQ ID NO 333767 for detecting SNP TSC0037745.
SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
central nervous system; gastrointestinal; respiratory; immune; metabolic.
Homo sapiens.
WO200177384-A2.
18-OCT-2001.
06-APR-2001; 2001WO-IB000713.
07-APR-2000; 2000DE-01019173.
(EPIG-) EPIGENOMICS AG.
Olek A, Piepenbrock C, Berlin K;
WPI; 2001-657177/75.

XX PD 18-OCT-2001.
XX PF 06-APR-2001; 2001WO-IB000713.
XX PR 07-APR-2000; 2000DE-01019173.
XX PA (EPIG-) EPIGENOMICS AG.
XX PI Olek A, Piepenbrock C, Berlin K;
XX WPI; 2001-657177/75.
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
XX designed to detect single-nucleotide polymorphisms and cytosine
XX methylation status.
XX Claim 1; SEQ ID NO 307292; 29pp + Sequence Listing; German.
XX This invention describes novel oligonucleotide primers or peptide nucleic
XX acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
XX and cytosine methylation status in chemically pretreated genomic DNA. The
XX oligonucleotides are used for diagnosis and/or prognosis of cancer and a
XX range of diseases including immune system, gastrointestinal, respiratory,
XX central nervous system, cardiovascular and metabolic disorders. The
XX oligomers are also used for detecting cell type differentiation. ABC00010
XX -ABC9989, ABF00010-ABF9989, ABH00010-ABH9989 and ABI00010-ABI82073
XX represent the oligomers described in the invention. NOTE: The sequence
XX data for this patent did not form part of the printed specification, but
XX was obtained in electronic format from WIPO at
XX ftp.wipo.int/pub/published_pct_sequences
XX Sequence 12 BP; 4 A; 0 C; 5 G; 3 T; 0 U; 0 Other;
XX Query Match 12.9%; Score 9.4; DB 1; Length 12;
XX Best Local Similarity 90.9%; Pred. No. 1.2e+03;
XX Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
QY 929 TATCCCTCTCTC 939
Db 12 TATCCCTCTCTC 2
RESULT 1585
ABI33794
ID ABI33794 standard; DNA; 12 BP.
AC ABI33794;
XX
XX 22-FEB-2002 (first entry)
XX Oligonucleotide primer SEQ ID NO 333767 for detecting SNP TSC0037745.
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX Homo sapiens.
XX WO200177384-A2.
XX 18-OCT-2001.
XX 06-APR-2001; 2001WO-IB000713.
XX 07-APR-2000; 2000DE-01019173.
XX (EPIG-) EPIGENOMICS AG.
XX Olek A, Piepenbrock C, Berlin K;
XX WPI; 2001-657177/75.

PT Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
PS Claim 1; SEQ ID NO 333767; 29pp + Sequence Listing; German.
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 12 BP; 1 A; 2 C; 0 G; 9 T; 0 U; 0 Other;

Query Match 12.9%; Score 9.4; DB 1; Length 12;
Best Local Similarity 90.9%; Pred. No. 1.2e+03;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 905 TCATTTCTTT 915
Db 1 TCTTTTCTTT 11

RESULT 1586
ABH84208/C
ID ABH84208 standard; DNA; 12 BP.
XX
AC ABH84208;
XX
XX
DT 22-FEB-2002 (first entry)
XX
DE Oligonucleotide primer SEQ ID NO 284201 for detecting SNP TSC0011713.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
XX Homo sapiens.
XX
XX WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
DR WPI; 2001-657177/75.
XX
XX
PT Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
PS Claim 1; SEQ ID NO 284201; 29pp + Sequence Listing; German.
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010

CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 12 BP; 8 A; 3 C; 1 G; 0 T; 0 U; 0 Other;

Query Match 12.9%; Score 9.4; DB 1; Length 12;
Best Local Similarity 90.9%; Pred. No. 1.2e+03;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 908 TTTTCTTTGGT 918
Db 12 TTTTCTTTGGT 2

RESULT 1587
ABI09480/C
ID ABI09480 standard; DNA; 12 BP.
XX
AC ABI09480;
XX
XX
DT 22-FEB-2002 (first entry)
XX
DE Oligonucleotide primer SEQ ID NO 309453 for detecting SNP TSC0023535.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
XX Homo sapiens.
XX
XX WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
DR WPI; 2001-657177/75.
XX
XX
PT Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
PS Claim 1; SEQ ID NO 309453; 29pp + Sequence Listing; German.
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 12 BP; 7 A; 1 C; 0 G; 4 T; 0 U; 0 Other;

Query Match 12.9%; Score 9.4; DB 1; Length 12;
Best Local Similarity 90.9%; Pred. No. 1.2e+03;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 943 ATTGCTTTAAT 953

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Db      11 ATTGTTTAAT 1
      |||| |||||
RESULT 1588
ABH9344
ID ABH9344 standard; DNA; 12 BP.
XX
AC ABH9344;
XX
DT 22-FEB-2002 (first entry)
XX
DE Oligonucleotide primer SEQ ID NO 337481 for detecting SNP TSC0013896.
XX
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
FN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
PI WPI; 2001-657177/75.
XX
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
PS Claim 1; SEQ ID NO 337481; 29pp + Sequence Listing; German.
XX
XX This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 12 BP; 0 A; 1 C; 3 G; 8 T; 0 U; 0 Other;
XX
XX This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 12 BP; 0 A; 1 C; 3 G; 8 T; 0 U; 0 Other;
XX
Query Match 12.9%; Score 9.4; DB 1; Length 12;
Best Local Similarity 90.9%; Pred. No. 1.2e+03;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
QY 940 TTCATTGGTTT 950
Db 2 TTCATTGGTTT 12
      |||||
RESULT 1589
ABH9344
ID ABH9344 standard; DNA; 12 BP.
XX
AC ABH9344;
XX
DT 22-FEB-2002 (first entry)
XX
DE Oligonucleotide primer SEQ ID NO 289337 for detecting SNP TSC0013896.
XX
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
FN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
PI WPI; 2001-657177/75.
XX
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
PS Claim 1; SEQ ID NO 289337; 29pp + Sequence Listing; German.
XX
XX This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 12 BP; 0 A; 1 C; 3 G; 8 T; 0 U; 0 Other;
XX
Query Match 12.9%; Score 9.4; DB 1; Length 12;
Best Local Similarity 90.9%; Pred. No. 1.2e+03;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
QY 940 TTCATTGGTTT 950
Db 2 TTCATTGGTTT 12
      |||||

```

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XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
FN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
PI WPI; 2001-657177/75.
XX
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
PS Claim 1; SEQ ID NO 289337; 29pp + Sequence Listing; German.
XX
XX This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 12 BP; 3 A; 0 C; 3 G; 6 T; 0 U; 0 Other;
XX
Query Match 12.9%; Score 9.4; DB 1; Length 12;
Best Local Similarity 90.9%; Pred. No. 1.2e+03;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
QY 941 TCATTGGTTTA 951
Db 1 TAATTGGTTTA 11
      |||||
RESULT 1590
ABH9344
ID ABH9344 standard; DNA; 12 BP.
XX
AC ABH9344;
XX
DT 22-FEB-2002 (first entry)
XX
DE Oligonucleotide primer SEQ ID NO 347869 for detecting SNP TSC0045314.
XX
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
FN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB000713.
XX

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PR 07-APR-2000; 2000DE-01019173.
XX (EPIG-) EPIGENOMICS AG.
PI Olek A, Piepenbrock C, Berlin K;
XX WPI; 2001-657177/75.
XX
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
XX Claim 1; SEQ ID NO 347869; 29pp + Sequence Listing; German.
XX
XX This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
XX Sequence 12 BP; 7 A; 0 C; 4 G; 1 T; 0 U; 0 Other;
SQ
Query Match 12.9%; Score 9.4; DB 1; Length 12;
Best Local Similarity 90.9%; Pred. No. 1.2e+03;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
Qy 935 TCCTCTTCATT 945
Db 12 TCCTCTTCATT 2
RESULT 1591
ABI58941
ID ABI58941 standard; DNA; 12 BP.
XX
XX AC ABI58941;
XX
XX 22-FEB-2002 (first entry)
XX
XX Oligonucleotide primer SEQ ID NO 358914 for detecting SNP TSC0004549.
XX
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
XX Homo sapiens.
XX
XX WO200177384-A2.
XX
XX 18-OCT-2001.
XX
XX 06-APR-2001; 2001WO-IB0000713.
XX
XX 07-APR-2000; 2000DE-01019173.
XX
XX (EPIG-) EPIGENOMICS AG.
XX
XX Olek A, Piepenbrock C, Berlin K;
XX
XX WPI; 2001-657177/75.
XX
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
XX Claim 1; SEQ ID NO 358914; 29pp + Sequence Listing; German.
PS
This invention describes novel oligonucleotide primers or peptide nucleic
acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
and cytosine methylation status in chemically pretreated genomic DNA. The
oligonucleotides are used for diagnosis and/or prognosis of cancer and a
range of diseases including immune system, gastrointestinal, respiratory,
central nervous system, cardiovascular and metabolic disorders. The
oligomers are also used for detecting cell type differentiation. ABC00010
-ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
represent the oligomers described in the invention. NOTE: The sequence
data for this patent did not form part of the printed specification, but
was obtained in electronic format from WIPO at
ftp.wipo.int/pub/published_pct_sequences
Sequence 12 BP; 2 A; 0 C; 5 G; 5 T; 0 U; 0 Other;
Query Match 12.9%; Score 9.4; DB 1; Length 12;
Best Local Similarity 90.9%; Pred. No. 1.2e+03;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
Qy 944 TTGGTTTAAATG 954
Db 2 TTGGTTTAAATG 12
RESULT 1592
ABI74012/C
ID ABI74012 standard; DNA; 12 BP.
XX
XX AC ABI74012;
XX
XX 22-FEB-2002 (first entry)
XX
XX Oligonucleotide primer SEQ ID NO 373985 for detecting SNP TSC0060439.
XX
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
XX Homo sapiens.
XX
XX WO200177384-A2.
XX
XX 18-OCT-2001.
XX
XX 06-APR-2001; 2001WO-IB0000713.
XX
XX 07-APR-2000; 2000DE-01019173.
XX
XX (EPIG-) EPIGENOMICS AG.
XX
XX Olek A, Piepenbrock C, Berlin K;
XX
XX WPI; 2001-657177/75.
XX
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
XX Claim 1; SEQ ID NO 373985; 29pp + Sequence Listing; German.
PS
This invention describes novel oligonucleotide primers or peptide nucleic
acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
and cytosine methylation status in chemically pretreated genomic DNA. The
oligonucleotides are used for diagnosis and/or prognosis of cancer and a
range of diseases including immune system, gastrointestinal, respiratory,
central nervous system, cardiovascular and metabolic disorders. The
oligomers are also used for detecting cell type differentiation. ABC00010
-ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
represent the oligomers described in the invention. NOTE: The sequence
data for this patent did not form part of the printed specification, but
was obtained in electronic format from WIPO at
ftp.wipo.int/pub/published_pct_sequences

```
XX SQ Sequence 12 BP; 8 A; 4 C; 0 G; 0 T; 0 U; 0 Other;
Query Match 12.9%; Score 9.4; DB 1; Length 12;
Best Local Similarity 90.9%; Pred. No. 1.2e+03;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 908 TTTTCTTTGGT 918
Db 11 TTTTCTTTGGT 1

RESULT 1593
ABI75688/c
ID ABI75688 standard; DNA; 12 BP.
XX AC ABI75688;
XX DT 22-FEB-2002 (first entry)
XX DE Oligonucleotide primer SEQ ID NO 375661 for detecting SNP TSC0061372.
XX KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX OS Homo sapiens.
XX PN WO200177384-A2.
XX PD 18-OCT-2001.
XX PF 06-APR-2001; 2001WO-IB000713.
XX PR 07-APR-2000; 2000DE-01019173.
XX PA (EPIG-) EPIGENOMICS AG.
XX PI Olek A, Piepenbrock C, Berlin K;
XX OS Homo sapiens.
XX PN WO200177384-A2.
XX PD 18-OCT-2001.
XX PF 06-APR-2001; 2001WO-IB000713.
XX PR 07-APR-2000; 2000DE-01019173.
XX PA (EPIG-) EPIGENOMICS AG.
XX PI Olek A, Piepenbrock C, Berlin K;
XX DR WPI; 2001-657177/75.
XX PT Set of oligonucleotides, useful for diagnosis and cell typing, is
XX PT designed to detect single-nucleotide polymorphisms and cytosine
XX PT methylation status.
XX PS Claim 1; SEQ ID NO 375661; 29pp + Sequence Listing; German.
XX CC This invention describes novel oligonucleotide primers or peptide nucleic
XX CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
XX CC and cytosine methylation status in chemically pretreated genomic DNA. The
XX CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
XX CC range of diseases including immune system, gastrointestinal, respiratory,
XX CC central nervous system, cardiovascular and metabolic disorders. The
XX CC oligomers are also used for detecting cell type differentiation. ABC00010
XX CC -ABC9989, ABF00010-ABF9989, ABH00010-ABH9989 and ABI00010-ABI82073
XX CC represent the oligomers described in the invention. NOTE: The sequence
XX CC data for this patent did not form part of the printed specification, but
XX CC was obtained in electronic format from WIPO at
XX CC ftp.wipo.int/pub/published_pct_sequences
XX SQ Sequence 12 BP; 5 A; 2 C; 0 G; 5 T; 0 U; 0 Other;
Query Match 12.9%; Score 9.4; DB 1; Length 12;
Best Local Similarity 90.9%; Pred. No. 1.2e+03;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 943 ATTGGTTTAAAT 953
Db 11 ATTGGTTTAAAT 1

RESULT 1594
ABI75688/c
ID ABI75688 standard; DNA; 12 BP.
XX AC ABI75688;
XX DT 22-FEB-2002 (first entry)
XX DE Oligonucleotide primer SEQ ID NO 375661 for detecting SNP TSC0061372.
XX KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX OS Homo sapiens.
XX PN WO200177384-A2.
XX PD 18-OCT-2001.
XX PF 06-APR-2001; 2001WO-IB000713.
XX PR 07-APR-2000; 2000DE-01019173.
XX PA (EPIG-) EPIGENOMICS AG.
XX PI Olek A, Piepenbrock C, Berlin K;
XX OS Homo sapiens.
XX PN WO200177384-A2.
XX PD 18-OCT-2001.
XX PF 06-APR-2001; 2001WO-IB000713.
XX PR 07-APR-2000; 2000DE-01019173.
XX PA (EPIG-) EPIGENOMICS AG.
XX PI Olek A, Piepenbrock C, Berlin K;
XX DR WPI; 2001-657177/75.
XX PT Set of oligonucleotides, useful for diagnosis and cell typing, is
XX PT designed to detect single-nucleotide polymorphisms and cytosine
XX PT methylation status.
XX PS Claim 1; SEQ ID NO 375661; 29pp + Sequence Listing; German.
XX CC This invention describes novel oligonucleotide primers or peptide nucleic
XX CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
XX CC and cytosine methylation status in chemically pretreated genomic DNA. The
XX CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
XX CC range of diseases including immune system, gastrointestinal, respiratory,
XX CC central nervous system, cardiovascular and metabolic disorders. The
XX CC oligomers are also used for detecting cell type differentiation. ABC00010
XX CC -ABC9989, ABF00010-ABF9989, ABH00010-ABH9989 and ABI00010-ABI82073
XX CC represent the oligomers described in the invention. NOTE: The sequence
XX CC data for this patent did not form part of the printed specification, but
XX CC was obtained in electronic format from WIPO at
XX CC ftp.wipo.int/pub/published_pct_sequences
XX SQ Sequence 12 BP; 5 A; 2 C; 0 G; 5 T; 0 U; 0 Other;
Query Match 12.9%; Score 9.4; DB 1; Length 12;
Best Local Similarity 90.9%; Pred. No. 1.2e+03;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 943 ATTGGTTTAAAT 953
Db 11 ATTGGTTTAAAT 1

RESULT 1594
ABI75688/c
ID ABI75688 standard; DNA; 12 BP.
XX AC ABI75688;
XX DT 22-FEB-2002 (first entry)
XX DE Oligonucleotide primer SEQ ID NO 375661 for detecting SNP TSC0061372.
XX KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX OS Homo sapiens.
XX PN WO200177384-A2.
XX PD 18-OCT-2001.
XX PF 06-APR-2001; 2001WO-IB000713.
XX PR 07-APR-2000; 2000DE-01019173.
XX PA (EPIG-) EPIGENOMICS AG.
XX PI Olek A, Piepenbrock C, Berlin K;
XX OS Homo sapiens.
XX PN WO200177384-A2.
XX PD 18-OCT-2001.
XX PF 06-APR-2001; 2001WO-IB000713.
XX PR 07-APR-2000; 2000DE-01019173.
XX PA (EPIG-) EPIGENOMICS AG.
XX PI Olek A, Piepenbrock C, Berlin K;
XX DR WPI; 2001-657177/75.
XX PT Set of oligonucleotides, useful for diagnosis and cell typing, is
XX PT designed to detect single-nucleotide polymorphisms and cytosine
XX PT methylation status.
XX PS Claim 1; SEQ ID NO 375661; 29pp + Sequence Listing; German.
XX CC This invention describes novel oligonucleotide primers or peptide nucleic
XX CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
XX CC and cytosine methylation status in chemically pretreated genomic DNA. The
XX CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
XX CC range of diseases including immune system, gastrointestinal, respiratory,
XX CC central nervous system, cardiovascular and metabolic disorders. The
XX CC oligomers are also used for detecting cell type differentiation. ABC00010
XX CC -ABC9989, ABF00010-ABF9989, ABH00010-ABH9989 and ABI00010-ABI82073
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XX CC ftp.wipo.int/pub/published_pct_sequences
XX SQ Sequence 12 BP; 1 A; 0 C; 3 G; 8 T; 0 U; 0 Other;
Query Match 12.9%; Score 9.4; DB 1; Length 12;
Best Local Similarity 90.9%; Pred. No. 1.2e+03;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 940 TTGATTGGTTT 950
Db 2 TTGATTGGTTT 12

RESULT 1595
ABI77570
ID ABI77570 standard; DNA; 12 BP.
XX AC ABI77570;
XX DT 22-FEB-2002 (first entry)
XX DE Oligonucleotide primer SEQ ID NO 377543 for detecting SNP TSC0006428.
XX KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
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```
ABI62534
ID ABI62534 standard; DNA; 12 BP.
XX AC ABI62534;
XX DT 22-FEB-2002 (first entry)
XX DE Oligonucleotide primer SEQ ID NO 362507 for detecting SNP TSC0006608.
XX KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX OS Homo sapiens.
XX PN WO200177384-A2.
XX PD 18-OCT-2001.
XX PF 06-APR-2001; 2001WO-IB000713.
XX PR 07-APR-2000; 2000DE-01019173.
XX PA (EPIG-) EPIGENOMICS AG.
XX PI Olek A, Piepenbrock C, Berlin K;
XX DR WPI; 2001-657177/75.
XX PT Set of oligonucleotides, useful for diagnosis and cell typing, is
XX PT designed to detect single-nucleotide polymorphisms and cytosine
XX PT methylation status.
XX PS Claim 1; SEQ ID NO 362507; 29pp + Sequence Listing; German.
XX CC This invention describes novel oligonucleotide primers or peptide nucleic
XX CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
XX CC and cytosine methylation status in chemically pretreated genomic DNA. The
XX CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
XX CC range of diseases including immune system, gastrointestinal, respiratory,
XX CC central nervous system, cardiovascular and metabolic disorders. The
XX CC oligomers are also used for detecting cell type differentiation. ABC00010
XX CC -ABC9989, ABF00010-ABF9989, ABH00010-ABH9989 and ABI00010-ABI82073
XX CC represent the oligomers described in the invention. NOTE: The sequence
XX CC data for this patent did not form part of the printed specification, but
XX CC was obtained in electronic format from WIPO at
XX CC ftp.wipo.int/pub/published_pct_sequences
XX SQ Sequence 12 BP; 1 A; 0 C; 3 G; 8 T; 0 U; 0 Other;
Query Match 12.9%; Score 9.4; DB 1; Length 12;
Best Local Similarity 90.9%; Pred. No. 1.2e+03;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 940 TTGATTGGTTT 950
Db 2 TTGATTGGTTT 12

RESULT 1595
ABI77570
ID ABI77570 standard; DNA; 12 BP.
XX AC ABI77570;
XX DT 22-FEB-2002 (first entry)
XX DE Oligonucleotide primer SEQ ID NO 377543 for detecting SNP TSC0006428.
XX KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
```


CC range of diseases including immune system, gastrointestinal, respiratory,
 CC central nervous system, cardiovascular and metabolic disorders. The
 CC oligomers are also used for detecting cell type differentiation. ABC00010
 CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
 CC represent the oligomers described in the invention. NOTE: The sequence
 CC data for this patent did not form part of the printed specification, but
 CC was obtained in electronic format from WIPO at
 CC ftp.wipo.int/pub/published_pct_sequences
 XX
 SQ Sequence 12 BP; 0 A; 0 C; 3 G; 9 T; 0 U; 0 Other;

Query Match 12.9%; Score 9.4; DB 1; Length 12;
 Best Local Similarity 90.9%; Pred. No. 1.2e+03;
 Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 913 TTGGTCTTTG 923

DB 2 TTGGTCTTTG 12

RESULT 1598

ABI18634
 ID ABI18634 standard; DNA; 12 BP.

AC ABI18634;

XX 22-FEB-2002 (first entry)

DE Oligonucleotide primer SEQ ID NO 318607 for detecting SNP TSC0028759.

SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
 peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
 central nervous system; gastrointestinal; respiratory; immune; metabolic.

OS Homo sapiens.

PN WO200177384-A2.

PD 18-OCT-2001.

XX 06-APR-2001; 2001WO-1B000713.

PR 07-APR-2000; 2000DE-01019173.

XX (EPIG-) EPIGENOMICS AG.

PI Olek A, Piepenbrock C, Berlin K;

XX WPI; 2001-657177/75.

XX Set of oligonucleotides, useful for diagnosis and cell typing, is
 PT designed to detect single-nucleotide polymorphisms and cytosine
 PT methylation status.

PS Claim 1; SEQ ID NO 318607; 29pp + Sequence Listing; German.

XX This invention describes novel oligonucleotide primers or peptide nucleic
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
 CC and cytosine methylation status in chemically pretreated genomic DNA. The
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
 CC range of diseases including immune system, gastrointestinal, respiratory,
 CC central nervous system, cardiovascular and metabolic disorders. The
 CC oligomers are also used for detecting cell type differentiation. ABC00010
 CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
 CC represent the oligomers described in the invention. NOTE: The sequence
 CC data for this patent did not form part of the printed specification, but
 CC was obtained in electronic format from WIPO at
 CC ftp.wipo.int/pub/published_pct_sequences
 XX

SQ Sequence 12 BP; 1 A; 1 C; 3 G; 7 T; 0 U; 0 Other;

Query Match 12.9%; Score 9.4; DB 1; Length 12;
 Best Local Similarity 90.9%; Pred. No. 1.2e+03;

Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
 QY 909 TTCTTTGGTC 919
 DB 1 TTATTTTGGTC 11

RESULT 1599

ABH68690/c
 ID ABH68690 standard; DNA; 12 BP.

XX ABH68690;

XX 22-FEB-2002 (first entry)

DE Oligonucleotide primer SEQ ID NO 268667 for detecting SNP TSC0001288.

SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
 peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
 central nervous system; gastrointestinal; respiratory; immune; metabolic.

OS Homo sapiens.

PN WO200177384-A2.

XX 18-OCT-2001.

XX 06-APR-2001; 2001WO-1B000713.

XX 07-APR-2000; 2000DE-01019173.

XX (EPIG-) EPIGENOMICS AG.

PI Olek A, Piepenbrock C, Berlin K;

XX WPI; 2001-657177/75.

XX Set of oligonucleotides, useful for diagnosis and cell typing, is
 PT designed to detect single-nucleotide polymorphisms and cytosine
 PT methylation status.

PS Claim 1; SEQ ID NO 268667; 29pp + Sequence Listing; German.

XX This invention describes novel oligonucleotide primers or peptide nucleic
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
 CC and cytosine methylation status in chemically pretreated genomic DNA. The
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
 CC range of diseases including immune system, gastrointestinal, respiratory,
 CC central nervous system, cardiovascular and metabolic disorders. The
 CC oligomers are also used for detecting cell type differentiation. ABC00010
 CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
 CC represent the oligomers described in the invention. NOTE: The sequence
 CC data for this patent did not form part of the printed specification, but
 CC was obtained in electronic format from WIPO at
 CC ftp.wipo.int/pub/published_pct_sequences
 XX

SQ Sequence 12 BP; 8 A; 2 C; 0 G; 2 T; 0 U; 0 Other;

Query Match 12.9%; Score 9.4; DB 1; Length 12;
 Best Local Similarity 90.9%; Pred. No. 1.2e+03;

Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 907 ATTTCTTTGG 917

DB 12 ATTTTTTGG 2

RESULT 1600

ABI18684/c

ID ABI18684 standard; DNA; 12 BP.

XX ABI18684;

PT methylation status.

XX PS Claim 1; SEQ ID NO 269622; 29pp + Sequence Listing; German.

XX

XX This invention describes novel oligonucleotide primers or peptide nucleic acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP) and cytosine methylation status in chemically pretreated genomic DNA. The oligonucleotides are used for diagnosis and/or prognosis of cancer and a range of diseases including immune system, gastrointestinal, respiratory, central nervous system, cardiovascular and metabolic disorders. The oligomers are also used for detecting cell type differentiation. ABC00010 -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073 represent the oligomers described in the invention. NOTE: The sequence data for this patent did not form part of the printed specification, but was obtained in electronic format from WIPO at ftp.wipo.int/pub/published_pct_sequences

XX SQ Sequence 12 BP; 2 A; 0 C; 3 G; 7 T; 0 U; 0 Other;

Query Match 12.9%; Score 9.4; DB 1; Length 12;
Best Local Similarity 90.9%; Pred. No. 1.2e+03;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 943 ATGGTTTAAAT 953
Db 1 ATGGTTTGAAT 11
|||||||

RESULT 1603
ABH77233/C
ID ABH77233 standard; DNA; 12 BP.
XX AC ABH77233;
XX

XX 22-FEB-2002 (first entry)

XX DE Oligonucleotide primer SEQ ID NO 277226 for detecting SNP TSC0004412.

XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX Homo sapiens.
XX WO200177384-A2.
XX

XX 18-OCT-2001.

XX PF 06-APR-2001; 2001WO-IB000713.
XX PD 07-APR-2000; 2000DE-01019173.
XX

XX (EPIG-) EPIGENOMICS AG.
XX Olek A, Piepenbrock C, Berlin K;
XX WPI; 2001-657177/75.
XX

XX Set of oligonucleotides, useful for diagnosis and cell typing, is designed to detect single-nucleotide polymorphisms and cytosine methylation status.

XX PS Claim 1; SEQ ID NO 277226; 29pp + Sequence Listing; German.

XX This invention describes novel oligonucleotide primers or peptide nucleic acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP) and cytosine methylation status in chemically pretreated genomic DNA. The oligonucleotides are used for diagnosis and/or prognosis of cancer and a range of diseases including immune system, gastrointestinal, respiratory, central nervous system, cardiovascular and metabolic disorders. The oligomers are also used for detecting cell type differentiation. ABC00010 -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073 represent the oligomers described in the invention. NOTE: The sequence data for this patent did not form part of the printed specification, but was obtained in electronic format from WIPO at ftp.wipo.int/pub/published_pct_sequences

XX SQ Sequence 12 BP; 2 A; 0 C; 3 G; 7 T; 0 U; 0 Other;

Query Match 12.9%; Score 9.4; DB 1; Length 12;
Best Local Similarity 90.9%; Pred. No. 1.2e+03;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 943 ATGGTTTAAAT 953
Db 1 ATGGTTTGAAT 11
|||||||

RESULT 1604
ABI33399/C
ID ABI33399 standard; DNA; 12 BP.
XX AC ABI33399;
XX

XX 22-FEB-2002 (first entry)

XX DE Oligonucleotide primer SEQ ID NO 333372 for detecting SNP TSC0037508.

XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX Homo sapiens.
XX WO200177384-A2.
XX

XX 18-OCT-2001.

XX PF 06-APR-2001; 2001WO-IB000713.
XX PD 07-APR-2000; 2000DE-01019173.
XX

XX (EPIG-) EPIGENOMICS AG.
XX Olek A, Piepenbrock C, Berlin K;
XX WPI; 2001-657177/75.
XX

XX Set of oligonucleotides, useful for diagnosis and cell typing, is designed to detect single-nucleotide polymorphisms and cytosine methylation status.

XX PS Claim 1; SEQ ID NO 333372; 29pp + Sequence Listing; German.

XX This invention describes novel oligonucleotide primers or peptide nucleic acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP) and cytosine methylation status in chemically pretreated genomic DNA. The oligonucleotides are used for diagnosis and/or prognosis of cancer and a range of diseases including immune system, gastrointestinal, respiratory, central nervous system, cardiovascular and metabolic disorders. The oligomers are also used for detecting cell type differentiation. ABC00010 -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073 represent the oligomers described in the invention. NOTE: The sequence data for this patent did not form part of the printed specification, but was obtained in electronic format from WIPO at ftp.wipo.int/pub/published_pct_sequences

XX SQ Sequence 12 BP; 3 A; 0 C; 7 G; 2 T; 0 U; 0 Other;

Query Match 12.9%; Score 9.4; DB 1; Length 12;
Best Local Similarity 90.9%; Pred. No. 1.2e+03;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 933 CCTCCTCTTCA 943
Db 12 CCTCCTCTTCA 2
|||||||


```
RESULT 1605
ABH84721/c
ID ABH84721 standard; DNA; 12 BP.
XX
XX
AC ABH84721;
XX
DT 22-FEB-2002 (first entry)
XX
DE Oligonucleotide primer SEQ ID NO 284714 for detecting SNP TSC0011956.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPiG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
DR WPI; 2001-657177/75.
XX
PT Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
PS Claim 1; SEQ ID NO 284714; 29pp + Sequence Listing; German.
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and AB100010-AB182073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 12 BP; 7 A; 0 C; 2 G; 3 T; 0 U; 0 Other;
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and AB100010-AB182073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 12 BP; 7 A; 0 C; 2 G; 3 T; 0 U; 0 Other;
XX
Query Match 12.9%; Score 9.4; DB 1; Length 12;
Best Local Similarity 90.9%; Pred. No. 1.2e+03;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
QY 948 TTTAATGATC 958
DB 11 TTTAATGATC 1
XX
RESULT 1606
AB112047
ID AB112047 standard; DNA; 12 BP.
XX
XX
AC AB112047;
XX
DT 22-FEB-2002 (first entry)
XX
DE Oligonucleotide primer SEQ ID NO 312020 for detecting SNP TSC0024801.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
```

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KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPiG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
DR WPI; 2001-657177/75.
XX
PT Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
PS Claim 1; SEQ ID NO 312020; 29pp + Sequence Listing; German.
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and AB100010-AB182073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 12 BP; 1 A; 0 C; 4 G; 7 T; 0 U; 0 Other;
XX
Query Match 12.9%; Score 9.4; DB 1; Length 12;
Best Local Similarity 90.9%; Pred. No. 1.2e+03;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
QY 944 TTGGTTTAAATG 954
DB 1 TTGGTTTAAATG 11
XX
RESULT 1607
ABH87714
ID ABH87714 standard; DNA; 12 BP.
XX
XX
AC ABH87714;
XX
DT 22-FEB-2002 (first entry)
XX
DE Oligonucleotide primer SEQ ID NO 287707 for detecting SNP TSC0013215.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
```

PA (EPIG-) EPIGENOMICS AG.
 XX Olek A, Piepenbrock C, Berlin K;
 XX WPI; 2001-657177/75.
 XX Set of oligonucleotides, useful for diagnosis and cell typing, is
 PT designed to detect single-nucleotide polymorphisms and cytosine
 PT methylation status.
 XX
 XX Claim 1; SEQ ID NO 287707; 29pp + Sequence Listing; German.
 XX
 CC This invention describes novel oligonucleotide primers or peptide nucleic
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
 CC and cytosine methylation status in chemically pretreated genomic DNA. The
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
 CC range of diseases including immune system, gastrointestinal, respiratory,
 CC central nervous system, cardiovascular and metabolic disorders. The
 CC oligomers are also used for detecting cell type differentiation. ABC00010
 CC -ABC9989, ABF00010-ABF9989, ABH00010-ABH9989 and ABI00010-ABI82073
 CC represent the oligomers described in the invention. NOTE: The sequence
 CC data for this patent did not form part of the printed specification, but
 CC was obtained in electronic format from WIPO at
 CC ftp.wipo.int/pub/published_pct_sequences
 XX
 XX Sequence 12 BP; 2 A; 3 C; 0 G; 7 T; 0 U; 0 Other;
 CC
 CC Query Match 12.9%; Score 9.4; DB 1; Length 12;
 CC Best Local Similarity 90.9%; Pred. No. 1.2e+03;
 CC Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
 CC
 QY 920 TTGCGCTTTTA 930
 Db 1 TTTACCTTTTA 11
 RESULT 1608
 ABH87988/C
 ID ABH87988 standard; DNA; 12 BP.
 XX
 AC ABH87988;
 XX
 XX 22-FEB-2002 (first entry)
 DE Oligonucleotide primer SEQ ID NO 287981 for detecting SNP TSC0013331.
 XX
 KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
 KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
 KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
 XX
 OS Homo sapiens.
 XX
 PN WO200177384-A2.
 XX
 PD 18-OCT-2001.
 XX
 PF 06-APR-2001; 2001WO-IB000713.
 XX
 PR 07-APR-2000; 2000DE-01019173.
 XX
 XX (EPIG-) EPIGENOMICS AG.
 PA Olek A, Piepenbrock C, Berlin K;
 PI WPI; 2001-657177/75.
 XX
 XX Set of oligonucleotides, useful for diagnosis and cell typing, is
 PT designed to detect single-nucleotide polymorphisms and cytosine
 PT methylation status.
 XX
 XX Claim 1; SEQ ID NO 287981; 29pp + Sequence Listing; German.
 XX
 CC This invention describes novel oligonucleotide primers or peptide nucleic
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
 CC and cytosine methylation status in chemically pretreated genomic DNA. The
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
 CC range of diseases including immune system, gastrointestinal, respiratory,
 CC central nervous system, cardiovascular and metabolic disorders. The
 CC oligomers are also used for detecting cell type differentiation. ABC00010
 CC -ABC9989, ABF00010-ABF9989, ABH00010-ABH9989 and ABI00010-ABI82073
 CC represent the oligomers described in the invention. NOTE: The sequence
 CC data for this patent did not form part of the printed specification, but
 CC was obtained in electronic format from WIPO at
 CC ftp.wipo.int/pub/published_pct_sequences
 XX
 XX Sequence 12 BP; 2 A; 3 C; 0 G; 7 T; 0 U; 0 Other;
 CC
 CC Query Match 12.9%; Score 9.4; DB 1; Length 12;
 CC Best Local Similarity 90.9%; Pred. No. 1.2e+03;
 CC Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
 CC
 QY 920 TTGCGCTTTTA 930
 Db 1 TTTACCTTTTA 11
 RESULT 1608
 ABH87988/C
 ID ABH87988 standard; DNA; 12 BP.
 XX
 AC ABH87988;
 XX
 XX 22-FEB-2002 (first entry)
 DE Oligonucleotide primer SEQ ID NO 338497 for detecting SNP TSC0040521.
 XX
 KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
 KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
 KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
 XX
 OS Homo sapiens.
 XX
 PN WO200177384-A2.
 XX
 PD 18-OCT-2001.
 XX
 PF 06-APR-2001; 2001WO-IB000713.
 XX
 PR 07-APR-2000; 2000DE-01019173.
 XX
 XX (EPIG-) EPIGENOMICS AG.
 PA Olek A, Piepenbrock C, Berlin K;
 PI WPI; 2001-657177/75.
 XX
 XX Set of oligonucleotides, useful for diagnosis and cell typing, is
 PT designed to detect single-nucleotide polymorphisms and cytosine
 PT methylation status.
 XX
 XX Claim 1; SEQ ID NO 338497; 29pp + Sequence Listing; German.
 XX
 CC This invention describes novel oligonucleotide primers or peptide nucleic
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
 CC and cytosine methylation status in chemically pretreated genomic DNA. The
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
 CC range of diseases including immune system, gastrointestinal, respiratory,
 CC central nervous system, cardiovascular and metabolic disorders. The
 CC oligomers are also used for detecting cell type differentiation. ABC00010
 CC -ABC9989, ABF00010-ABF9989, ABH00010-ABH9989 and ABI00010-ABI82073
 CC represent the oligomers described in the invention. NOTE: The sequence
 CC data for this patent did not form part of the printed specification, but
 CC was obtained in electronic format from WIPO at
 CC ftp.wipo.int/pub/published_pct_sequences
 XX
 XX Sequence 12 BP; 3 A; 0 C; 2 G; 7 T; 0 U; 0 Other;
 CC
 CC Query Match 12.9%; Score 9.4; DB 1; Length 12;
 CC Best Local Similarity 90.9%; Pred. No. 1.2e+03;
 CC Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
 CC
 QY 946 GGTTTAATGTA 956
 Db 12 GTTTAATGTA 2
 RESULT 1609
 ABI38524
 ID ABI38524 standard; DNA; 12 BP.
 XX
 AC ABI38524;
 XX
 XX 22-FEB-2002 (first entry)
 DE Oligonucleotide primer SEQ ID NO 338497 for detecting SNP TSC0040521.
 XX
 KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
 KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
 KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
 XX
 OS Homo sapiens.
 XX
 PN WO200177384-A2.
 XX
 PD 18-OCT-2001.
 XX
 PF 06-APR-2001; 2001WO-IB000713.
 XX
 PR 07-APR-2000; 2000DE-01019173.
 XX
 XX (EPIG-) EPIGENOMICS AG.
 PA Olek A, Piepenbrock C, Berlin K;
 PI WPI; 2001-657177/75.
 XX
 XX Set of oligonucleotides, useful for diagnosis and cell typing, is
 PT designed to detect single-nucleotide polymorphisms and cytosine
 PT methylation status.
 XX
 XX Claim 1; SEQ ID NO 338497; 29pp + Sequence Listing; German.
 XX
 CC This invention describes novel oligonucleotide primers or peptide nucleic
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
 CC and cytosine methylation status in chemically pretreated genomic DNA. The
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
 CC range of diseases including immune system, gastrointestinal, respiratory,
 CC central nervous system, cardiovascular and metabolic disorders. The
 CC oligomers are also used for detecting cell type differentiation. ABC00010
 CC -ABC9989, ABF00010-ABF9989, ABH00010-ABH9989 and ABI00010-ABI82073
 CC represent the oligomers described in the invention. NOTE: The sequence
 CC data for this patent did not form part of the printed specification, but
 CC was obtained in electronic format from WIPO at
 CC ftp.wipo.int/pub/published_pct_sequences
 XX
 XX Sequence 12 BP; 3 A; 0 C; 2 G; 7 T; 0 U; 0 Other;
 CC
 CC Query Match 12.9%; Score 9.4; DB 1; Length 12;
 CC Best Local Similarity 90.9%; Pred. No. 1.2e+03;
 CC Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
 CC
 QY 946 GGTTTAATGTA 956
 Db 12 GTTTAATGTA 2

```
Query Match      12.9%; Score 9.4; DB 1; Length 12;
Best Local Similarity 90.9%; Pred. No. 1.2e+03;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 943 ATTGGTTTAAAT 953
Db 2 ATTGGTTTAAAT 12
|||||
RESULT 1610
ABH88715
ID ABH88715 standard; DNA; 12 BP.
AC ABH88715;
XX
XX
DT 22-FEB-2002 (first entry)
DE
DE Oligonucleotide primer SEQ ID NO 288708 for detecting SNP TSC0013638.
XX
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
XX Homo sapiens.
XX
XX WO200177384-A2.
XX
XX 18-OCT-2001.
XX
XX 06-APR-2001; 2001WO-IB000713.
XX
XX 07-APR-2000; 2000DE-01019173.
XX
XX (EPIG-) EPIGENOMICS AG.
XX
XX Olek A, Piepenbrock C, Berlin K;
XX
XX WPI; 2001-657177/75.
XX
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
XX designed to detect single-nucleotide polymorphisms and cytosine
XX methylation status.
XX
XX Claim 1; SEQ ID NO 288708; 29pp + Sequence Listing; German.
XX
XX This invention describes novel oligonucleotide primers or peptide nucleic
XX acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
XX and cytosine methylation status in chemically pretreated genomic DNA. The
XX oligonucleotides are used for diagnosis and/or prognosis of cancer and a
XX range of diseases including immune system, gastrointestinal, respiratory,
XX central nervous system, cardiovascular and metabolic disorders. The
XX oligomers are also used for detecting cell type differentiation. ABC00010
XX -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
XX represent the oligomers described in the invention. NOTE: The sequence
XX data for this patent did not form part of the printed specification, but
XX was obtained in electronic format from WIPO at
XX ftp.wipo.int/pub/published_pct_sequences
XX
XX Sequence 12 BP; 1 A; 0 C; 3 G; 8 T; 0 U; 0 Other;
XX
XX Query Match      12.9%; Score 9.4; DB 1; Length 12;
XX Best Local Similarity 90.9%; Pred. No. 1.2e+03;
XX Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 907 ATTTCTTTGG 917
Db 2 ATTTCTTTGG 12
|||||
RESULT 1611
ABI14005/c
ID ABI14005 standard; DNA; 12 BP.

Query Match      12.9%; Score 9.4; DB 1; Length 12;
Best Local Similarity 90.9%; Pred. No. 1.2e+03;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 943 ATTGGTTTAAAT 953
Db 11 AGTGGTTTAAAT 1
|||||
RESULT 1612
ABI42987
ID ABI42987 standard; DNA; 12 BP.
XX
XX ABI42987;
XX
XX 22-FEB-2002 (first entry)
XX
XX Oligonucleotide primer SEQ ID NO 342960 for detecting SNP TSC0042805.
XX
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
XX Homo sapiens.
XX
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PN WO200177384-A2.
XX
XX 18-OCT-2001.
PD
XX
PF 06-APR-2001; 2001WO-IB000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
XX WPI; 2001-657177/75.
DR
XX
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
XX Claim 1; SEQ ID NO 342960; 29pp + Sequence Listing; German.
XX
XX This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC9989, ABF00010-ABF9989, ABH00010-ABH9989 and AB100010-AB182073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
XX ftp.wipo.int/pub/published_pct_sequences
XX
XX Sequence 12 BP; 0 A; 9 C; 0 G; 3 T; 0 U; 0 Other;
XX
XX Query Match 12.9%; Score 9.4; DB 1; Length 12;
XX Best Local Similarity 90.9%; Pred. NO. 1.2e+03;
XX Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
XX
QY 932 CCTCTCCTCTC 942
DB 1 CCTCTCCTCTC 11
XX
RESULT 1613
ABI52776
ID ABI52776 standard; DNA; 12 BP.
XX
XX ABI52776;
AC
XX
XX 22-FEB-2002 (first entry)
DT
XX
XX Oligonucleotide primer SEQ ID NO 352749 for detecting SNP TSC0048074.
DE
XX
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
XX Homo sapiens.
OS
XX
XX WO200177384-A2.
XX
XX 18-OCT-2001.
PD
XX
XX 06-APR-2001; 2001WO-IB000713.
PF
XX
XX 07-APR-2000; 2000DE-01019173.
PR
XX
XX (EPIG-) EPIGENOMICS AG.
PA
XX
XX Olek A, Piepenbrock C, Berlin K;
PI
XX
XX WPI; 2001-657177/75.
DR
XX
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
XX Claim 1; SEQ ID NO 352749; 29pp + Sequence Listing; German.
XX
XX This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC9989, ABF00010-ABF9989, ABH00010-ABH9989 and AB100010-AB182073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
XX ftp.wipo.int/pub/published_pct_sequences
XX
XX Sequence 12 BP; 0 A; 5 C; 0 G; 7 T; 0 U; 0 Other;
XX
XX Query Match 12.9%; Score 9.4; DB 1; Length 12;
XX Best Local Similarity 90.9%; Pred. NO. 1.2e+03;
XX Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
XX
QY 931 TCCCTCTCTCT 941
DB 1 TCCCTCTCTCT 11
XX
RESULT 1614
ABI56583/C
ID ABI56583 standard; DNA; 12 BP.
XX
XX ABI56583;
AC
XX
XX 22-FEB-2002 (first entry)
DT
XX
XX Oligonucleotide primer SEQ ID NO 356556 for detecting SNP TSC0050181.
DE
XX
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
XX Homo sapiens.
OS
XX
XX WO200177384-A2.
XX
XX 18-OCT-2001.
PD
XX
XX 06-APR-2001; 2001WO-IB000713.
PF
XX
XX 07-APR-2000; 2000DE-01019173.
PR
XX
XX (EPIG-) EPIGENOMICS AG.
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XX Olek A, Piepenbrock C, Berlin K;
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XX WPI; 2001-657177/75.
DR
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XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
XX Claim 1; SEQ ID NO 356556; 29pp + Sequence Listing; German.
XX
XX This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
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CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences

XX SQ Sequence 12 BP; 8 A; 2 C; 0 G; 2 T; 0 U; 0 Other;
Query Match 12.9%; Score 9.4; DB 1; Length 12;
Best Local Similarity 90.9%; Pred. No. 1.2e+03;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 947 GTTTAATGTA 957
Db 12 GTTTAATGTT 2

RESULT 1615
ABI71653
ID ABI71653 standard; DNA; 12 BP.
XX AC ABI71653;
XX DT 22-FEB-2002 (first entry)
XX DE Oligonucleotide primer SEQ ID NO 371626 for detecting SNP TSC0001145.
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX OS Homo sapiens.
XX PN WO200177384-A2.
XX PD 18-OCT-2001.
XX PF 06-APR-2001; 2001WO-IB000713.
XX PR 07-APR-2000; 2000DE-01019173.
XX PA (EPIG-) EPIGENOMICS AG.
XX PI Olek A, Piepenbrock C, Berlin K;
XX WPI; 2001-657177/75.
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
XX designed to detect single-nucleotide polymorphisms and cytosine
XX methylation status.
XX Claim 1; SEQ ID NO 371626; 29pp + Sequence Listing; German.

CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences

XX SQ Sequence 12 BP; 2 A; 0 C; 5 G; 5 T; 0 U; 0 Other;
Query Match 12.9%; Score 9.4; DB 1; Length 12;
Best Local Similarity 90.9%; Pred. No. 1.2e+03;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 946 GGTTAATGTA 956
Db 1 GGTTAATGTA 11

RESULT 1616
ABI72642
ID ABI72642 standard; DNA; 12 BP.
XX AC ABI72642;
XX DT 22-FEB-2002 (first entry)
XX DE Oligonucleotide primer SEQ ID NO 372615 for detecting SNP TSC0059501.
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX OS Homo sapiens.
XX PN WO200177384-A2.
XX PD 18-OCT-2001.
XX PF 06-APR-2001; 2001WO-IB000713.
XX PR 07-APR-2000; 2000DE-01019173.
XX PA (EPIG-) EPIGENOMICS AG.
XX PI Olek A, Piepenbrock C, Berlin K;
XX WPI; 2001-657177/75.
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
XX designed to detect single-nucleotide polymorphisms and cytosine
XX methylation status.
XX Claim 1; SEQ ID NO 372615; 29pp + Sequence Listing; German.

CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences

XX SQ Sequence 12 BP; 2 A; 1 C; 2 G; 7 T; 0 U; 0 Other;
Query Match 12.9%; Score 9.4; DB 1; Length 12;
Best Local Similarity 90.9%; Pred. No. 1.2e+03;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 947 GTTTAATGTA 957
Db 2 GTTTAATGTA 12

RESULT 1617
ABI60565/c
ID ABI60565 standard; DNA; 12 BP.
XX AC ABI60565;
XX DT 22-FEB-2002 (first entry)
XX

DE Oligonucleotide primer SEQ ID NO 360538 for detecting SNP TSC0052120.
 XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
 KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
 KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
 XX
 OS Homo sapiens.
 XX
 XX WO200177384-A2.
 XX
 PD 18-OCT-2001.
 XX
 PF 06-APR-2001; 2001WO-IB000713.
 XX
 PR 07-APR-2000; 2000DE-01019173.
 XX
 PA (EPIG-) EPIGENOMICS AG.
 XX
 PI Olek A, Piepenbrock C, Berlin K;
 XX
 XX WPI; 2001-657177/75.
 XX
 XX Set of oligonucleotides, useful for diagnosis and cell typing, is
 PT designed to detect single-nucleotide polymorphisms and cytosine
 PT methylation status.
 XX
 PS Claim 1; SEQ ID NO 360538; 29pp + Sequence Listing; German.
 XX
 XX This invention describes novel oligonucleotide primers or peptide nucleic
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
 CC and cytosine methylation status in chemically pretreated genomic DNA. The
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
 CC range of diseases including immune system, gastrointestinal, respiratory,
 CC central nervous system, cardiovascular and metabolic disorders. The
 CC oligomers are also used for detecting cell type differentiation. ABC00010
 CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
 CC represent the oligomers described in the invention. NOTE: The sequence
 CC data for this patent did not form part of the printed specification, but
 CC was obtained in electronic format from WIPO at
 CC ftp.wipo.int/pub/published_pct_sequences
 XX
 XX Sequence 12 BP; 4 A; 0 C; 6 G; 2 T; 0 U; 0 Other;
 XX
 XX Query Match 12.9%; Score 9.4; DB 1; Length 12;
 XX Best Local Similarity 90.9%; Pred. No. 1.2e+03;
 XX Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
 QY 929 TATCCTCTCTC 939
 DB 11 TATCACTCTCTC 1
 RESULT 1618
 ABH67611/c
 ID ABH67611 standard; DNA; 12 BP.
 XX
 XX AC ABH67611;
 XX
 XX 22-FEB-2002 (first entry)
 XX
 XX Oligonucleotide primer SEQ ID NO 267588 for detecting SNP TSC0000361.
 DE SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
 XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
 KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
 XX
 OS Homo sapiens.
 XX
 XX WO200177384-A2.
 XX
 PD 18-OCT-2001.
 XX
 PF 06-APR-2001; 2001WO-IB000713.
 XX

XX 07-APR-2000; 2000DE-01019173.
 PR (EPIG-) EPIGENOMICS AG.
 XX
 XX Olek A, Piepenbrock C, Berlin K;
 XX
 XX WPI; 2001-657177/75.
 XX
 XX Set of oligonucleotides, useful for diagnosis and cell typing, is
 PT designed to detect single-nucleotide polymorphisms and cytosine
 PT methylation status.
 XX
 PS Claim 1; SEQ ID NO 267588; 29pp + Sequence Listing; German.
 XX
 XX This invention describes novel oligonucleotide primers or peptide nucleic
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
 CC and cytosine methylation status in chemically pretreated genomic DNA. The
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
 CC range of diseases including immune system, gastrointestinal, respiratory,
 CC central nervous system, cardiovascular and metabolic disorders. The
 CC oligomers are also used for detecting cell type differentiation. ABC00010
 CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
 CC represent the oligomers described in the invention. NOTE: The sequence
 CC data for this patent did not form part of the printed specification, but
 CC was obtained in electronic format from WIPO at
 CC ftp.wipo.int/pub/published_pct_sequences
 XX
 XX Sequence 12 BP; 2 A; 1 C; 6 G; 3 T; 0 U; 0 Other;
 XX
 XX Query Match 12.9%; Score 9.4; DB 1; Length 12;
 XX Best Local Similarity 90.9%; Pred. No. 1.2e+03;
 XX Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
 QY 957 TCGCTACCCAC 967
 DB 12 TCGCTACCCAC 2
 RESULT 1619
 ABH67642
 ID ABH67642 standard; DNA; 12 BP.
 XX
 XX AC ABH67642;
 XX
 XX 22-FEB-2002 (first entry)
 XX
 XX Oligonucleotide primer SEQ ID NO 267619 for detecting SNP TSC0000400.
 DE SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
 XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
 KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
 XX
 OS Homo sapiens.
 XX
 XX WO200177384-A2.
 XX
 XX 18-OCT-2001.
 XX
 XX 06-APR-2001; 2001WO-IB000713.
 XX
 XX 07-APR-2000; 2000DE-01019173.
 XX
 XX (EPIG-) EPIGENOMICS AG.
 XX
 XX Olek A, Piepenbrock C, Berlin K;
 XX
 XX WPI; 2001-657177/75.
 XX
 XX Set of oligonucleotides, useful for diagnosis and cell typing, is
 PT designed to detect single-nucleotide polymorphisms and cytosine
 PT methylation status.
 XX

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PS Claim 1; SEQ ID NO 267619; 29pp + Sequence Listing; German.
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 12 BP; 0 A; 0 C; 3 G; 9 T; 0 U; 0 Other;
Query Match 12.9%; Score 9.4; DB 1; Length 12;
Best Local Similarity 90.9%; Pred. No. 1.2e+03;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
QY 908 TTTTCTTGGT 918
Db 2 TTTTGTGGT 12
RESULT 1620
ABH68426/C
ID ABH68426 standard; DNA; 12 BP.
XX
AC ABH68426;
XX
DT 22-FEB-2002 (first entry)
XX
DE Oligonucleotide primer SEQ ID NO 268403 for detecting SNP TSC0001101.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
WPI; 2001-657177/75.
XX
PT Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
PS Claim 1; SEQ ID NO 268403; 29pp + Sequence Listing; German.
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 12 BP; 0 A; 1 C; 0 G; 3 T; 0 U; 0 Other;
Query Match 12.9%; Score 9.4; DB 1; Length 12;
Best Local Similarity 90.9%; Pred. No. 1.2e+03;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
QY 943 ATTGGTTTAAAT 953
Db 11 ATTGGTTTAAAT 1
RESULT 1621
ABI20894/C
ID ABI20894 standard; DNA; 12 BP.
XX
AC ABI20894;
XX
DT 22-FEB-2002 (first entry)
XX
DE Oligonucleotide primer SEQ ID NO 320867 for detecting SNP TSC0029940.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
WPI; 2001-657177/75.
XX
PT Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
PS Claim 1; SEQ ID NO 320867; 29pp + Sequence Listing; German.
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 12 BP; 8 A; 2 C; 0 G; 2 T; 0 U; 0 Other;
Query Match 12.9%; Score 9.4; DB 1; Length 12;
Best Local Similarity 90.9%; Pred. No. 1.2e+03;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
QY 943 ATTGGTTTAAAT 953
Db 11 ATTGGTTTAAAT 1
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RESULT 1622
ABH74828/c
ID ABH74828 standard; DNA; 12 BP.
XX
XX
AC ABH74828;
XX
XX
DT 22-FEB-2002 (first entry)
XX
DE Oligonucleotide primer SEQ ID NO 274813 for detecting SNP TSC0003686.
XX
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
XX WO200177384-A2.
XX
XX 18-OCT-2001.
XX
XX 22-FEB-2002 (first entry)
XX
XX Oligonucleotide primer SEQ ID NO 274813 for detecting SNP TSC0003686.
XX
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
XX WO200177384-A2.
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XX 06-APR-2001; 2001WO-IB000713.
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XX 07-APR-2000; 2000DE-01019173.
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XX Olek A, Piepenbrock C, Berlin K;
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XX WPI; 2001-657177/75.
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PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
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XX Claim 1; SEQ ID NO 274813; 29pp + Sequence Listing; German.
XX
XX This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
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XX
XX Sequence 12 BP; 7 A; 3 C; 0 G; 2 T; 0 U; 0 Other;
XX
XX This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
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CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
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CC ftp.wipo.int/pub/published_pct_sequences
XX
XX Query Match 12.9%; Score 9.4; DB 1; Length 12;
XX Best Local Similarity 90.9%; Pred. NO. 1.2e+03;
XX Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
XX
QY 907 ATTTCTTTGG 917
DB 11 ATTTATTTGG 1
XX
XX
RESULT 1623
ABI06718
ID ABI06718 standard; DNA; 12 BP.
XX
XX
AC ABI06718;
XX
XX 22-FEB-2002 (first entry)
XX
XX Oligonucleotide primer SEQ ID NO 306691 for detecting SNP TSC0022131.
XX
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX

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XX
OS Homo sapiens.
XX
XX WO200177384-A2.
XX
XX 18-OCT-2001.
XX
XX 06-APR-2001; 2001WO-IB000713.
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XX 07-APR-2000; 2000DE-01019173.
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XX Olek A, Piepenbrock C, Berlin K;
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XX WPI; 2001-657177/75.
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XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
XX Claim 1; SEQ ID NO 306691; 29pp + Sequence Listing; German.
XX
XX This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
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CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
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XX
XX Query Match 12.9%; Score 9.4; DB 1; Length 12;
XX Best Local Similarity 90.9%; Pred. NO. 1.2e+03;
XX Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
XX
QY 932 CCTCTCTTTC 942
DB 1 CCTCTCTTTC 11
XX
XX
RESULT 1624
ABI36232
ID ABI36232 standard; DNA; 12 BP.
XX
XX
AC ABI36232;
XX
XX 22-FEB-2002 (first entry)
XX
XX Oligonucleotide primer SEQ ID NO 336205 for detecting SNP TSC0039246.
XX
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
XX WO200177384-A2.
XX
XX 18-OCT-2001.
XX
XX 06-APR-2001; 2001WO-IB000713.
XX
XX 07-APR-2000; 2000DE-01019173.
XX
XX (EPiG-) EPIGENOMICS AG.
XX

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PI Olek A, Piepenbrock C, Berlin K;
XX WPI; 2001-657177/75.
XX
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PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
PS Claim 1; SEQ ID NO 336205; 29pp + Sequence Listing; German.
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
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CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 12 BP; 2 A; 0 C; 3 G; 7 T; 0 U; 0 Other;

Query Match 12.9%; Score 9.4; DB 1; Length 12;
Best Local Similarity 90.9%; Pred. No. 1.2e+03;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 941 TCATTGGTTA 951
Db 1 TTATTGGTTA 11

RESULT 1625
ABI37912/C
ID ABI37912 standard; DNA; 12 BP.
XX
AC ABI37912;
XX
DT 22-FEB-2002 (first entry)
XX
DE Oligonucleotide primer SEQ ID NO 337885 for detecting SNP TSC0040125.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
FN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
DR WPI; 2001-657177/75.
XX
PT Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
PS Claim 1; SEQ ID NO 337885; 29pp + Sequence Listing; German.
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The

CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 12 BP; 9 A; 0 C; 1 G; 2 T; 0 U; 0 Other;

Query Match 12.9%; Score 9.4; DB 1; Length 12;
Best Local Similarity 90.9%; Pred. No. 1.2e+03;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 905 TCATTTCCTTT 915
Db 12 TAATTTTCCTTT 2

RESULT 1626
ABI39499/C
ID ABI39499 standard; DNA; 12 BP.
XX
AC ABI39499;
XX
DT 22-FEB-2002 (first entry)
XX
DE Oligonucleotide primer SEQ ID NO 339472 for detecting SNP TSC0041026.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
FN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
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XX
PI Olek A, Piepenbrock C, Berlin K;
XX
DR WPI; 2001-657177/75.
XX
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PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
PS Claim 1; SEQ ID NO 339472; 29pp + Sequence Listing; German.
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 12 BP; 3 A; 0 C; 5 G; 4 T; 0 U; 0 Other;

Query Match 12.9%; Score 9.4; DB 1; Length 12;

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Best Local Similarity 90.9%; Pred. No. 1.2e+03;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 956 ATCGTACCAA 966
DB 12 ATCCCTACCAA 2
|||||

RESULT 1627
ABH90292
ID ABH90292 standard; DNA; 12 BP.
XX
AC ABH90292;
XX
DT 22-FEB-2002 (first entry)
XX
DE Oligonucleotide primer SEQ ID NO 290285 for detecting SNP TSC0014272.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIC-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
DR WPI; 2001-657177/75.
XX
Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
PS Claim 1; SEQ ID NO 290285; 29pp + Sequence Listing; German.
XX
This invention describes novel oligonucleotide primers or peptide nucleic
XX acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
XX and cytosine methylation status in chemically pretreated genomic DNA. The
XX oligonucleotides are used for diagnosis and/or prognosis of cancer and a
XX range of diseases including immune system, gastrointestinal, respiratory,
XX central nervous system, cardiovascular and metabolic disorders. The
XX oligomers are also used for detecting cell type differentiation. ABC00010
XX -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
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XX ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 12 BP; 1 A; 3 C; 0 G; 8 T; 0 U; 0 Other;

Query Match 12.9%; Score 9.4; DB 1; Length 12;
Best Local Similarity 90.9%; Pred. No. 1.2e+03;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 935 TCCTCTTCATT 945
DB 1 TCCTCTTCATT 11
|||||

RESULT 1628
ABI16306
ID ABI16306 standard; DNA; 12 BP.
XX
AC ABI16306;
XX

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XX
XX 22-FEB-2002 (first entry)
XX
DE Oligonucleotide primer SEQ ID NO 316279 for detecting SNP TSC0027369.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB000713.
XX
PR 07-APR-2000; 2000DE-01019173.
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PI Olek A, Piepenbrock C, Berlin K;
XX
DR WPI; 2001-657177/75.
XX
Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
PS Claim 1; SEQ ID NO 316279; 29pp + Sequence Listing; German.
XX
This invention describes novel oligonucleotide primers or peptide nucleic
XX acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
XX and cytosine methylation status in chemically pretreated genomic DNA. The
XX oligonucleotides are used for diagnosis and/or prognosis of cancer and a
XX range of diseases including immune system, gastrointestinal, respiratory,
XX central nervous system, cardiovascular and metabolic disorders. The
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XX -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
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XX
SQ Sequence 12 BP; 2 A; 0 C; 5 G; 5 T; 0 U; 0 Other;

Query Match 12.9%; Score 9.4; DB 1; Length 12;
Best Local Similarity 90.9%; Pred. No. 1.2e+03;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 944 TTGGTTTAATG 954
DB 2 TTGGTTTAATG 12
|||||

RESULT 1629
ABI42572
ID ABI42572 standard; DNA; 12 BP.
XX
AC ABI42572;
XX
DT 22-FEB-2002 (first entry)
XX
DE Oligonucleotide primer SEQ ID NO 342545 for detecting SNP TSC0042593.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX

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PD 18-OCT-2001.
XX
XX
XX 06-APR-2001; 2001WO-IB000713.
XX
XX 07-APR-2000; 2000DE-01019173.
XX
XX (EPiG-) EPIGENOMICS AG.
XX
XX Olek A, Piepenbrock C, Berlin K;
XX
XX WPI; 2001-657177/75.
XX
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
XX Claim 1; SEQ ID NO 342545; 29pp + Sequence Listing; German.
XX
XX This invention describes novel oligonucleotide primers or peptide nucleic
XX acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
XX and cytosine methylation status in chemically pretreated genomic DNA. The
XX oligonucleotides are used for diagnosis and/or prognosis of cancer and a
XX range of diseases including immune system, gastrointestinal, respiratory,
XX central nervous system, cardiovascular and metabolic disorders. The
XX oligomers are also used for detecting cell type differentiation. ABC00010
XX -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
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XX
XX Sequence 12 BP; 3 A; 0 C; 4 G; 5 T; 0 U; 0 Other;
XX
XX Query Match 12.9%; Score 9.4; DB 1; Length 12;
XX Best Local Similarity 90.9%; Pred. No. 1.2e+03;
XX Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
XX
QY 945 TCGTTTAATGT 955
DB 1 TCGTTAAATGT 11
|||||
|||||

RESULT 1630
ABI44042/c
ID ABI44042 standard; DNA; 12 BP.
XX
XX ABI44042;
XX
XX 22-FEB-2002 (first entry)
XX
XX Oligonucleotide primer SEQ ID NO 344015 for detecting SNP TSC0043334.
XX
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
XX Homo sapiens.
XX
XX WO200177384-A2.
XX
XX 18-OCT-2001.
XX
XX 06-APR-2001; 2001WO-IB000713.
XX
XX 07-APR-2000; 2000DE-01019173.
XX
XX (EPiG-) EPIGENOMICS AG.
XX
XX Olek A, Piepenbrock C, Berlin K;
XX
XX WPI; 2001-657177/75.
XX
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
XX Claim 1; SEQ ID NO 344682; 29pp + Sequence Listing; German.
XX
XX This invention describes novel oligonucleotide primers or peptide nucleic
XX acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
XX and cytosine methylation status in chemically pretreated genomic DNA. The
XX oligonucleotides are used for diagnosis and/or prognosis of cancer and a
XX range of diseases including immune system, gastrointestinal, respiratory,
XX central nervous system, cardiovascular and metabolic disorders. The
XX oligomers are also used for detecting cell type differentiation. ABC00010
XX -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
XX represent the oligomers described in the invention. NOTE: The sequence
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XX was obtained in electronic format from WIPO at
XX ftp.wipo.int/pub/published_pct_sequences
XX
XX Sequence 12 BP; 3 A; 0 C; 4 G; 5 T; 0 U; 0 Other;
XX
XX Query Match 12.9%; Score 9.4; DB 1; Length 12;
XX Best Local Similarity 90.9%; Pred. No. 1.2e+03;
XX Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
XX
QY 945 TCGTTTAATGT 955
DB 1 TCGTTAAATGT 11
|||||
|||||

RESULT 1631
ABI44709/c
ID ABI44709 standard; DNA; 12 BP.
XX
XX ABI44709;
XX
XX 22-FEB-2002 (first entry)
XX
XX Oligonucleotide primer SEQ ID NO 344682 for detecting SNP TSC0043663.
XX
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
XX Homo sapiens.
XX
XX WO200177384-A2.
XX
XX 18-OCT-2001.
XX
XX 06-APR-2001; 2001WO-IB000713.
XX
XX 07-APR-2000; 2000DE-01019173.
XX
XX (EPiG-) EPIGENOMICS AG.
XX
XX Olek A, Piepenbrock C, Berlin K;
XX
XX WPI; 2001-657177/75.
XX
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PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
XX Claim 1; SEQ ID NO 344682; 29pp + Sequence Listing; German.
XX
XX This invention describes novel oligonucleotide primers or peptide nucleic
XX acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
XX and cytosine methylation status in chemically pretreated genomic DNA. The
XX oligonucleotides are used for diagnosis and/or prognosis of cancer and a
XX range of diseases including immune system, gastrointestinal, respiratory,
XX central nervous system, cardiovascular and metabolic disorders. The
XX oligomers are also used for detecting cell type differentiation. ABC00010
XX -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
XX represent the oligomers described in the invention. NOTE: The sequence
XX data for this patent did not form part of the printed specification, but
XX was obtained in electronic format from WIPO at
XX ftp.wipo.int/pub/published_pct_sequences
XX
XX Sequence 12 BP; 7 A; 3 C; 0 G; 2 T; 0 U; 0 Other;
XX
XX Query Match 12.9%; Score 9.4; DB 1; Length 12;
XX Best Local Similarity 90.9%; Pred. No. 1.2e+03;
XX Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
XX
QY 913 TTGGTCTTTG 923
DB 12 TTGGTATTG 2
|||||
|||||

RESULT 1631
ABI44709/c
ID ABI44709 standard; DNA; 12 BP.
XX
XX ABI44709;
XX
XX 22-FEB-2002 (first entry)
XX
XX Oligonucleotide primer SEQ ID NO 344682 for detecting SNP TSC0043663.
XX
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
XX Homo sapiens.
XX
XX WO200177384-A2.
XX
XX 18-OCT-2001.
XX
XX 06-APR-2001; 2001WO-IB000713.
XX
XX 07-APR-2000; 2000DE-01019173.
XX
XX (EPiG-) EPIGENOMICS AG.
XX
XX Olek A, Piepenbrock C, Berlin K;
XX
XX WPI; 2001-657177/75.
XX
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PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
XX Claim 1; SEQ ID NO 344682; 29pp + Sequence Listing; German.
XX
XX This invention describes novel oligonucleotide primers or peptide nucleic
XX acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
XX and cytosine methylation status in chemically pretreated genomic DNA. The
XX oligonucleotides are used for diagnosis and/or prognosis of cancer and a
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XX central nervous system, cardiovascular and metabolic disorders. The
XX oligomers are also used for detecting cell type differentiation. ABC00010
XX -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
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XX
XX Sequence 12 BP; 7 A; 3 C; 0 G; 2 T; 0 U; 0 Other;
XX
XX Query Match 12.9%; Score 9.4; DB 1; Length 12;
XX Best Local Similarity 90.9%; Pred. No. 1.2e+03;
XX Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
XX
QY 913 TTGGTCTTTG 923
DB 12 TTGGTATTG 2
|||||
|||||

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CC represent the oligomers described in the invention. NOTE: The sequence
 CC data for this patent did not form part of the printed specification, but
 CC was obtained in electronic format from WIPO at
 CC ftp.wipo.int/pub/published_pct_sequences

XX
 SQ Sequence 12 BP; 3 A; 0 C; 4 G; 5 T; 0 U; 0 Other;

Query Match 12.9%; Score 9.4; DB 1; Length 12;
 Best Local Similarity 90.9%; Pred. No. 1.2e+03;
 Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 955 TATCGCTACCA 965
 |||||
 Db 11 TATCACTACCA 1

RESULT 1632
 ABI51393/c
 ID ABI51393 standard; DNA; 12 BP.
 XX
 AC ABI51393;
 XX
 DT 22-FEB-2002 (first entry)
 XX
 DE Oligonucleotide primer SEQ ID NO 351366 for detecting SNP TSC0047247.
 XX
 KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
 XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
 KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
 XX
 OS Homo sapiens.
 XX
 PN WO200177384-A2.
 XX
 PD 18-OCT-2001.
 XX
 PF 06-APR-2001; 2001WO-IB000713.
 XX
 PR 07-APR-2000; 2000DE-01019173.
 XX
 PA (EPIG-) EPIGENOMICS AG.
 XX
 PI Olek A, Piepenbrock C, Berlin K;
 XX
 DR WPI; 2001-657177/75.
 XX
 PT Set of oligonucleotides, useful for diagnosis and cell typing, is
 PT designed to detect single-nucleotide polymorphisms and cytosine
 PT methylation status.
 XX
 PS Claim 1; SEQ ID NO 351366; 29pp + Sequence Listing; German.
 XX
 CC This invention describes novel oligonucleotide primers or peptide nucleic
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
 CC and cytosine methylation status in chemically pretreated genomic DNA. The
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
 CC range of diseases including immune system, gastrointestinal, respiratory,
 CC central nervous system, cardiovascular and metabolic disorders. The
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 CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
 CC represent the oligomers described in the invention. NOTE: The sequence
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 CC ftp.wipo.int/pub/published_pct_sequences

XX
 SQ Sequence 12 BP; 8 A; 0 C; 4 G; 0 T; 0 U; 0 Other;

Query Match 12.9%; Score 9.4; DB 1; Length 12;
 Best Local Similarity 90.9%; Pred. No. 1.2e+03;
 Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 925 CTTTATCCCT 935
 |||||

Db 12 CTTTTTCCCT 2

RESULT 1633
 ABI69673
 ID ABI69673 standard; DNA; 12 BP.
 XX
 AC ABI69673;
 XX
 DT 22-FEB-2002 (first entry)
 XX
 DE Oligonucleotide primer SEQ ID NO 369646 for detecting SNP TSC0057765.
 XX
 KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
 XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
 KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
 XX
 OS Homo sapiens.
 XX
 PN WO200177384-A2.
 XX
 PD 18-OCT-2001.
 XX
 PF 06-APR-2001; 2001WO-IB000713.
 XX
 PR 07-APR-2000; 2000DE-01019173.
 XX
 PA (EPIG-) EPIGENOMICS AG.
 XX
 PI Olek A, Piepenbrock C, Berlin K;
 XX
 DR WPI; 2001-657177/75.
 XX
 PT Set of oligonucleotides, useful for diagnosis and cell typing, is
 PT designed to detect single-nucleotide polymorphisms and cytosine
 PT methylation status.
 XX
 PS Claim 1; SEQ ID NO 369646; 29pp + Sequence Listing; German.
 XX
 CC This invention describes novel oligonucleotide primers or peptide nucleic
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
 CC and cytosine methylation status in chemically pretreated genomic DNA. The
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
 CC range of diseases including immune system, gastrointestinal, respiratory,
 CC central nervous system, cardiovascular and metabolic disorders. The
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 CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
 CC represent the oligomers described in the invention. NOTE: The sequence
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 CC ftp.wipo.int/pub/published_pct_sequences

XX
 SQ Sequence 12 BP; 1 A; 2 C; 0 G; 9 T; 0 U; 0 Other;

Query Match 12.9%; Score 9.4; DB 1; Length 12;
 Best Local Similarity 90.9%; Pred. No. 1.2e+03;
 Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 905 TCATTTTCCTT 915
 |||||
 Db 1 TTTATTTCTTT 11

RESULT 1634
 ABI17791
 ID ABI17791 standard; DNA; 12 BP.
 XX
 AC ABI17791;
 XX
 DT 22-FEB-2002 (first entry)
 XX
 DE Oligonucleotide primer SEQ ID NO 317764 for detecting SNP TSC0028237.
 XX

KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX Homo sapiens.
XX WO200177384-A2.
XX PD 18-OCT-2001.
XX PF 06-APR-2001; 2001WO-IB000713.
XX PR 07-APR-2000; 2000DE-01019173.
XX PA (EPIG-) EPIGENOMICS AG.
XX PI Olek A, Piepenbrock C, Berlin K;
XX DR WPI; 2001-657177/75.
XX PT Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX Claim 1; SEQ ID NO 317764; 29pp + Sequence Listing; German.
XX This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
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CC central nervous system, cardiovascular and metabolic disorders. The
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XX Query Match 12.9%; Score 9.4; DB 1; Length 12;
XX Best Local Similarity 90.9%; Pred. No. 1.2e+03;
XX Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
QY 907 ATTTCCTTTGG 917
DB 2 ATTTTITGG 12
|||||
RESULT 1635
ABI20824
ID ABI20824 standard; DNA; 12 BP.
XX AC ABI20824;
XX DT 22-FEB-2002 (first entry)
XX DE Oligonucleotide primer SEQ ID NO 320797 for detecting SNP TSC0029887.
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX Homo sapiens.
XX WO200177384-A2.
XX PD 18-OCT-2001.
XX PF 06-APR-2001; 2001WO-IB000713.
XX PR 07-APR-2000; 2000DE-01019173.

XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX Homo sapiens.
XX WO200177384-A2.
XX PD 18-OCT-2001.
XX PF 06-APR-2001; 2001WO-IB000713.
XX PR 07-APR-2000; 2000DE-01019173.

XX (EPIG-) EPIGENOMICS AG.
XX Olek A, Piepenbrock C, Berlin K;
XX WPI; 2001-657177/75.
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX Claim 1; SEQ ID NO 320797; 29pp + Sequence Listing; German.
XX This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX Sequence 12 BP; 2 A; 3 C; 0 G; 7 T; 0 U; 0 Other;
XX Query Match 12.9%; Score 9.4; DB 1; Length 12;
XX Best Local Similarity 90.9%; Pred. No. 1.2e+03;
XX Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
QY 922 TGCCTTTTATC 932
DB 1 TACCTTTTATC 11
|||||
RESULT 1636
ABH72500
ID ABH72500 standard; DNA; 12 BP.
XX AC ABH72500;
XX DT 22-FEB-2002 (first entry)
XX DE Oligonucleotide primer SEQ ID NO 272485 for detecting SNP TSC0002831.
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX Homo sapiens.
XX WO200177384-A2.
XX PD 18-OCT-2001.
XX PF 06-APR-2001; 2001WO-IB000713.
XX PR 07-APR-2000; 2000DE-01019173.
XX PA (EPIG-) EPIGENOMICS AG.
XX PI Olek A, Piepenbrock C, Berlin K;
XX DR WPI; 2001-657177/75.
XX PT Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX Claim 1; SEQ ID NO 272485; 29pp + Sequence Listing; German.

CC This invention describes novel oligonucleotide primers or peptide nucleic acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP) and cytosine methylation status in chemically pretreated genomic DNA. The oligonucleotides are used for diagnosis and/or prognosis of cancer and a range of diseases including immune system, gastrointestinal, respiratory, central nervous system, cardiovascular and metabolic disorders. The oligomers are also used for detecting cell type differentiation. ABC00010 -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073 represent the oligomers described in the invention. NOTE: The sequence data for this patent did not form part of the printed specification, but was obtained in electronic format from WIPO at ftp.wipo.int/pub/published_pct_sequences

XX SQ Sequence 12 BP; 0 A; 0 C; 3 G; 9 T; 0 U; 0 Other;

Query Match 12.9%; Score 9.4; DB 1; Length 12;
Best Local Similarity 90.9%; Pred. No. 1.2e+03;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 908 TTTTCTTTGGT 918
Db 2 TTTTCTTTGGT 12
|||||

RESULT 1637
ABI22516/c
ID ABI22516 standard; DNA; 12 BP.
XX AC ABI22516;
DT 22-FEB-2002 (first entry)
XX DE Oligonucleotide primer SEQ ID NO 322489 for detecting SNP TSC0030898.
XX KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX OS Homo sapiens.
XX PN WO200177384-A2.
XX PD 18-OCT-2001.
XX PF 06-APR-2001; 2001WO-IB000713.
XX PR 07-APR-2000; 2000DE-01019173.
XX PA (EPIG-) EPIGENOMICS AG.
XX PI Olek A, Piepenbrock C, Berlin K;
XX WPI; 2001-657177/75.
XX Set of oligonucleotides, useful for diagnosis and cell typing, is designed to detect single-nucleotide polymorphisms and cytosine methylation status.
XX Claim 1; SEQ ID NO 322489; 29pp + Sequence Listing; German.

CC This invention describes novel oligonucleotide primers or peptide nucleic acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP) and cytosine methylation status in chemically pretreated genomic DNA. The oligonucleotides are used for diagnosis and/or prognosis of cancer and a range of diseases including immune system, gastrointestinal, respiratory, central nervous system, cardiovascular and metabolic disorders. The oligomers are also used for detecting cell type differentiation. ABC00010 -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073 represent the oligomers described in the invention. NOTE: The sequence data for this patent did not form part of the printed specification, but was obtained in electronic format from WIPO at ftp.wipo.int/pub/published_pct_sequences

XX SQ Sequence 12 BP; 0 A; 0 C; 3 G; 5 T; 0 U; 0 Other;

Query Match 12.9%; Score 9.4; DB 1; Length 12;
Best Local Similarity 90.9%; Pred. No. 1.2e+03;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 943 ATGGGTTTAAAT 953
Db 11 ATAGGTTTAAAT 1
|||||

RESULT 1639
ABI26786

CC This invention describes novel oligonucleotide primers or peptide nucleic acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP) and cytosine methylation status in chemically pretreated genomic DNA. The oligonucleotides are used for diagnosis and/or prognosis of cancer and a range of diseases including immune system, gastrointestinal, respiratory, central nervous system, cardiovascular and metabolic disorders. The oligomers are also used for detecting cell type differentiation. ABC00010 -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073 represent the oligomers described in the invention. NOTE: The sequence data for this patent did not form part of the printed specification, but was obtained in electronic format from WIPO at ftp.wipo.int/pub/published_pct_sequences

XX SQ Sequence 12 BP; 6 A; 0 C; 3 G; 3 T; 0 U; 0 Other;

Query Match 12.9%; Score 9.4; DB 1; Length 12;
Best Local Similarity 90.9%; Pred. No. 1.2e+03;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 926 TTTTATCCCTC 936
Db 11 TTTTATCCCTC 1
|||||

RESULT 1638
ABH76419/c
ID ABH76419 standard; DNA; 12 BP.
XX AC ABH76419;
DT 22-FEB-2002 (first entry)
XX DE Oligonucleotide primer SEQ ID NO 276412 for detecting SNP TSC0004181.
XX KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX OS Homo sapiens.
XX PN WO200177384-A2.
XX PD 18-OCT-2001.
XX PF 06-APR-2001; 2001WO-IB000713.
XX PR 07-APR-2000; 2000DE-01019173.
XX PA (EPIG-) EPIGENOMICS AG.
XX PI Olek A, Piepenbrock C, Berlin K;
XX WPI; 2001-657177/75.
XX Set of oligonucleotides, useful for diagnosis and cell typing, is designed to detect single-nucleotide polymorphisms and cytosine methylation status.
XX Claim 1; SEQ ID NO 276412; 29pp + Sequence Listing; German.

CC This invention describes novel oligonucleotide primers or peptide nucleic acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP) and cytosine methylation status in chemically pretreated genomic DNA. The oligonucleotides are used for diagnosis and/or prognosis of cancer and a range of diseases including immune system, gastrointestinal, respiratory, central nervous system, cardiovascular and metabolic disorders. The oligomers are also used for detecting cell type differentiation. ABC00010 -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073 represent the oligomers described in the invention. NOTE: The sequence data for this patent did not form part of the printed specification, but was obtained in electronic format from WIPO at ftp.wipo.int/pub/published_pct_sequences

XX SQ Sequence 12 BP; 5 A; 2 C; 0 G; 5 T; 0 U; 0 Other;

Query Match 12.9%; Score 9.4; DB 1; Length 12;
Best Local Similarity 90.9%; Pred. No. 1.2e+03;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 943 ATGGGTTTAAAT 953
Db 11 ATAGGTTTAAAT 1
|||||

RESULT 1639
ABI26786

XX	WO200177384-A2.	XX	WO200177384-A2.
PN	18-OCT-2001.	PN	18-OCT-2001.
XX	06-APR-2001; 2001WO-IB000713.	XX	06-APR-2001; 2001WO-IB000713.
PF	07-APR-2000; 2000DE-01019173.	PF	07-APR-2000; 2000DE-01019173.
XX	(EPIG-) EPIGENOMICS AG.	XX	(EPIG-) EPIGENOMICS AG.
XX	Olek A, Piepenbrock C, Berlin K;	XX	Olek A, Piepenbrock C, Berlin K;
XX	WPI; 2001-657177/75.	XX	WPI; 2001-657177/75.
XX	Set of oligonucleotides, useful for diagnosis and cell typing, is	XX	Set of oligonucleotides, useful for diagnosis and cell typing, is
PT	designed to detect single-nucleotide polymorphisms and cytosine	PT	designed to detect single-nucleotide polymorphisms and cytosine
PT	methylation status.	PT	methylation status.
XX	Claim 1; SEQ ID NO 333562; 29pp + Sequence Listing; German.	XX	Claim 1; SEQ ID NO 333562; 29pp + Sequence Listing; German.
XX	This invention describes novel oligonucleotide primers or peptide nucleic	XX	This invention describes novel oligonucleotide primers or peptide nucleic
CC	acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)	CC	acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC	and cytosine methylation status in chemically pretreated genomic DNA. The	CC	and cytosine methylation status in chemically pretreated genomic DNA. The
CC	oligonucleotides are used for diagnosis and/or prognosis of cancer and a	CC	oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC	range of diseases including immune system, gastrointestinal, respiratory,	CC	range of diseases including immune system, gastrointestinal, respiratory,
CC	central nervous system, cardiovascular and metabolic disorders. The	CC	central nervous system, cardiovascular and metabolic disorders. The
CC	oligonucleotides are also used for detecting cell type differentiation. ABO00010	CC	oligonucleotides are also used for detecting cell type differentiation. ABO00010
CC	-ABC99989, ABO00010-ABF99989, ABO00010-ABH99989 and ABO00010-ABI82073	CC	-ABC99989, ABO00010-ABF99989, ABO00010-ABH99989 and ABO00010-ABI82073
CC	represent the oligomers described in the invention. NOTE: The sequence	CC	represent the oligomers described in the invention. NOTE: The sequence
CC	data for this patent did not form part of the printed specification, but	CC	data for this patent did not form part of the printed specification, but
CC	was obtained in electronic format from WIPO at	CC	was obtained in electronic format from WIPO at
CC	ftp.wipo.int/pub/published_pct_sequences	CC	ftp.wipo.int/pub/published_pct_sequences
XX	Sequence 12 BP; 7 A; 2 C; 0 G; 3 T; 0 U; 0 Other;	XX	Sequence 12 BP; 7 A; 2 C; 0 G; 3 T; 0 U; 0 Other;
XX	Query Match 12.9%; Score 9.4; DB 1; Length 12;	XX	Query Match 12.9%; Score 9.4; DB 1; Length 12;
XX	Best Local Similarity 90.9%; Pred. No. 1.2e+03;	XX	Best Local Similarity 90.9%; Pred. No. 1.2e+03;
XX	Mismatches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;	XX	Mismatches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
QY	945 TCGTTTAAATGT 955	QY	945 TCGTTTAAATGT 955
Db	11 TGTTTTAAATGT 1	Db	11 TGTTTTAAATGT 1
XX	RESULT 1641	XX	RESULT 1641
XX	ABI11718/c	XX	ABI11718/c
ID	ABI11718 standard; DNA; 12 BP.	ID	ABI11718 standard; DNA; 12 BP.
XX	ABI11718;	XX	ABI11718;
XX	22-FEB-2002 (first entry)	XX	22-FEB-2002 (first entry)
XX	Oligonucleotide primer SEQ ID NO 311691 for detecting SNP TSC0024623.	XX	Oligonucleotide primer SEQ ID NO 311691 for detecting SNP TSC0024623.
XX	SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;	XX	SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW	peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;	KW	peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW	central nervous system; gastrointestinal; respiratory; immune; metabolic.	KW	central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX	Homo sapiens.	XX	Homo sapiens.
XX	WO200177384-A2.	XX	WO200177384-A2.
XX	18-OCT-2001.	XX	18-OCT-2001.
XX	06-APR-2001; 2001WO-IB000713.	XX	06-APR-2001; 2001WO-IB000713.
XX	07-APR-2000; 2000DE-01019173.	XX	07-APR-2000; 2000DE-01019173.
XX	(EPIG-) EPIGENOMICS AG.	XX	(EPIG-) EPIGENOMICS AG.
XX	Olek A, Piepenbrock C, Berlin K;	XX	Olek A, Piepenbrock C, Berlin K;
XX	WPI; 2001-657177/75.	XX	WPI; 2001-657177/75.
XX	Set of oligonucleotides, useful for diagnosis and cell typing, is	XX	Set of oligonucleotides, useful for diagnosis and cell typing, is
PT	designed to detect single-nucleotide polymorphisms and cytosine	PT	designed to detect single-nucleotide polymorphisms and cytosine
PT	methylation status.	PT	methylation status.
XX	Claim 1; SEQ ID NO 326759; 29pp + Sequence Listing; German.	XX	Claim 1; SEQ ID NO 326759; 29pp + Sequence Listing; German.
XX	This invention describes novel oligonucleotide primers or peptide nucleic	XX	This invention describes novel oligonucleotide primers or peptide nucleic
CC	acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)	CC	acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC	and cytosine methylation status in chemically pretreated genomic DNA. The	CC	and cytosine methylation status in chemically pretreated genomic DNA. The
CC	oligonucleotides are used for diagnosis and/or prognosis of cancer and a	CC	oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC	range of diseases including immune system, gastrointestinal, respiratory,	CC	range of diseases including immune system, gastrointestinal, respiratory,
CC	central nervous system, cardiovascular and metabolic disorders. The	CC	central nervous system, cardiovascular and metabolic disorders. The
CC	oligonucleotides are also used for detecting cell type differentiation. ABO00010	CC	oligonucleotides are also used for detecting cell type differentiation. ABO00010
CC	-ABC99989, ABO00010-ABF99989, ABO00010-ABH99989 and ABO00010-ABI82073	CC	-ABC99989, ABO00010-ABF99989, ABO00010-ABH99989 and ABO00010-ABI82073
CC	represent the oligomers described in the invention. NOTE: The sequence	CC	represent the oligomers described in the invention. NOTE: The sequence
CC	data for this patent did not form part of the printed specification, but	CC	data for this patent did not form part of the printed specification, but
CC	was obtained in electronic format from WIPO at	CC	was obtained in electronic format from WIPO at
CC	ftp.wipo.int/pub/published_pct_sequences	CC	ftp.wipo.int/pub/published_pct_sequences
XX	Sequence 12 BP; 2 A; 0 C; 2 G; 8 T; 0 U; 0 Other;	XX	Sequence 12 BP; 2 A; 0 C; 2 G; 8 T; 0 U; 0 Other;
XX	Query Match 12.9%; Score 9.4; DB 1; Length 12;	XX	Query Match 12.9%; Score 9.4; DB 1; Length 12;
XX	Best Local Similarity 90.9%; Pred. No. 1.2e+03;	XX	Best Local Similarity 90.9%; Pred. No. 1.2e+03;
XX	Mismatches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;	XX	Mismatches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
QY	940 TTCATTGGTTT 950	QY	940 TTCATTGGTTT 950
Db	1 TTAATTGGTTT		

```

DR WPI; 2001-657177/75.
XX
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
XX Claim 1; SEQ ID NO 311691; 29pp + Sequence Listing; German.
XX
XX This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC9989, ABF00010-ABF9989, ABH00010-ABH9989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
XX Sequence 12 BP; 8 A; 0 C; 2 G; 2 T; 0 U; 0 Other;
XX
XX Query Match 12.9%; Score 9.4; DB 1; Length 12;
XX Best Local Similarity 90.9%; Pred. No. 1.2e+03;
XX Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
XX
QY 921 TTGCTTTTAT 931
DB 11 TTCTTTTAT 1
XX
XX RESULT 1642
XX ABI38333/C
XX ID ABI38333 standard; DNA; 12 BP.
XX
XX AC ABI38333;
XX
XX 22-FEB-2002 (first entry)
XX
XX Oligonucleotide primer SEQ ID NO 338306 for detecting SNP TSC0040394.
XX
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
XX Homo sapiens.
XX
XX WO200177384-A2.
XX
XX 18-OCT-2001.
XX
XX 06-APR-2001; 2001WO-IB000713.
XX
XX 07-APR-2000; 2000DE-01019173.
XX
XX (EPIG-) EPIGENOMICS AG.
XX
XX Olek A, Piepenbrock C, Berlin K;
XX
XX WPI; 2001-657177/75.
XX
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
XX Claim 1; SEQ ID NO 338306; 29pp + Sequence Listing; German.
XX
XX This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC9989, ABF00010-ABF9989, ABH00010-ABH9989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
XX Sequence 12 BP; 8 A; 0 C; 2 G; 2 T; 0 U; 0 Other;
XX
XX Query Match 12.9%; Score 9.4; DB 1; Length 12;
XX Best Local Similarity 90.9%; Pred. No. 1.2e+03;
XX Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
XX
QY 921 TTGCTTTTAT 931
DB 11 TTCTTTTAT 1
XX
XX RESULT 1642
XX ABI38333/C
XX ID ABI38333 standard; DNA; 12 BP.
XX
XX AC ABI38333;
XX
XX 22-FEB-2002 (first entry)
XX
XX Oligonucleotide primer SEQ ID NO 338306 for detecting SNP TSC0040394.
XX
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
XX Homo sapiens.
XX
XX WO200177384-A2.
XX
XX 18-OCT-2001.
XX
XX 06-APR-2001; 2001WO-IB000713.
XX
XX 07-APR-2000; 2000DE-01019173.
XX
XX (EPIG-) EPIGENOMICS AG.
XX
XX Olek A, Piepenbrock C, Berlin K;
XX
XX WPI; 2001-657177/75.
XX
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
XX Claim 1; SEQ ID NO 338306; 29pp + Sequence Listing; German.
XX
XX This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC9989, ABF00010-ABF9989, ABH00010-ABH9989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
XX Sequence 12 BP; 8 A; 3 C; 0 G; 3 T; 0 U; 0 Other;
XX
XX Query Match 12.9%; Score 9.4; DB 1; Length 12;
XX Best Local Similarity 90.9%; Pred. No. 1.2e+03;
XX Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
XX
QY 943 ATTGGTTTAT 953
DB 12 ATTGGTTTAT 2
XX
XX RESULT 1643
XX ABI16656/C
XX ID ABI16656 standard; DNA; 12 BP.
XX
XX AC ABI16656;
XX
XX 22-FEB-2002 (first entry)
XX
XX Oligonucleotide primer SEQ ID NO 316629 for detecting SNP TSC0027531.
XX
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
XX Homo sapiens.
XX
XX WO200177384-A2.
XX
XX 18-OCT-2001.
XX
XX 06-APR-2001; 2001WO-IB000713.
XX
XX 07-APR-2000; 2000DE-01019173.
XX
XX (EPIG-) EPIGENOMICS AG.
XX
XX Olek A, Piepenbrock C, Berlin K;
XX
XX WPI; 2001-657177/75.
XX
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
XX Claim 1; SEQ ID NO 316629; 29pp + Sequence Listing; German.
XX
XX This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC9989, ABF00010-ABF9989, ABH00010-ABH9989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
XX Sequence 12 BP; 8 A; 3 C; 0 G; 1 T; 0 U; 0 Other;
XX
XX Query Match 12.9%; Score 9.4; DB 1; Length 12;
XX Best Local Similarity 90.9%; Pred. No. 1.2e+03;
XX Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

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QY 913 TTTGGCTTTG 923
Db 12 TTTGGTTTIG 2

RESULT 1644
ABI48116
ID ABI48116 standard; DNA; 12 BP.
XX
XX
AC ABI48116;
XX
XX 22-FEB-2002 (first entry)
XX
XX Oligonucleotide primer SEQ ID NO 348089 for detecting SNP TSC0000612.
XX
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
XX Homo sapiens.
XX
XX WO200177384-A2.
XX
XX 18-OCT-2001.
XX
XX 22-FEB-2002 (first entry)
XX
XX Oligonucleotide primer SEQ ID NO 348089 for detecting SNP TSC0000612.
XX
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
XX Homo sapiens.
XX
XX WO200177384-A2.
XX
XX 18-OCT-2001.
XX
XX 06-APR-2001; 2001WO-IB000713.
XX
XX 07-APR-2000; 2000DE-01019173.
XX
XX (EPIG-) EPIGENOMICS AG.
XX
XX Olek A, Piepenbrock C, Berlin K;
XX
XX WPI; 2001-657177/75.
XX
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
XX Claim 1; SEQ ID NO 348089; 29pp + Sequence Listing; German.
XX
XX This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC ftp.wipo.int/pub/published_pct_sequences
XX
XX Sequence 12 BP; 3 A; 0 C; 3 G; 6 T; 0 U; 0 Other;
XX
XX This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC ftp.wipo.int/pub/published_pct_sequences
XX
XX Query Match 12.9%; Score 9.4; DB 1; Length 12;
XX Best Local Similarity 90.9%; Pred. No. 1.2e+03;
XX Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
XX
XX QY 945 TGGTTTAATGT 955
XX Db 2 TGGTTTAATAT 12
XX
XX RESULT 1645
XX ABI67335/C
XX ID ABI67335 standard; DNA; 12 BP.
XX
XX
XX ABI67335;
XX
XX 22-FEB-2002 (first entry)
XX
XX

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```

XX Oligonucleotide primer SEQ ID NO 367308 for detecting SNP TSC0056273.
DE
XX
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
XX Homo sapiens.
XX
XX WO200177384-A2.
XX
XX 18-OCT-2001.
XX
XX 06-APR-2001; 2001WO-IB000713.
XX
XX 07-APR-2000; 2000DE-01019173.
XX
XX (EPIG-) EPIGENOMICS AG.
XX
XX Olek A, Piepenbrock C, Berlin K;
XX
XX WPI; 2001-657177/75.
XX
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
XX Claim 1; SEQ ID NO 367308; 29pp + Sequence Listing; German.
XX
XX This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC ftp.wipo.int/pub/published_pct_sequences
XX
XX Sequence 12 BP; 8 A; 0 C; 3 G; 1 T; 0 U; 0 Other;
XX
XX Query Match 12.9%; Score 9.4; DB 1; Length 12;
XX Best Local Similarity 90.9%; Pred. No. 1.2e+03;
XX Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
XX
XX QY 925 CTTTATCCCT 935
XX Db 12 CTTTATCCCT 2
XX
XX RESULT 1646
XX ABI70220
XX ID ABI70220 standard; DNA; 12 BP.
XX
XX
XX ABI70220;
XX
XX 22-FEB-2002 (first entry)
XX
XX Oligonucleotide primer SEQ ID NO 370193 for detecting SNP TSC0000207.
XX
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
XX Homo sapiens.
XX
XX WO200177384-A2.
XX
XX 18-OCT-2001.
XX

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PF 06-APR-2001; 2001WO-1B000713.
 PR 07-APR-2000; 2000DE-01019173.
 XX (EPIG-) EPIGENOMICS AG.
 XX Olek A, Piepenbrock C, Berlin K;
 XX WPI; 2001-657177/75.
 XX Set of oligonucleotides, useful for diagnosis and cell typing, is
 PT designed to detect single-nucleotide polymorphisms and cytosine
 PT methylation status.
 XX Claim 1; SEQ ID NO 370193; 29pp + Sequence Listing; German.
 XX This invention describes novel oligonucleotide primers or peptide nucleic
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
 CC and cytosine methylation status in chemically pretreated genomic DNA. The
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
 CC range of diseases including immune system, gastrointestinal, respiratory,
 CC central nervous system, cardiovascular and metabolic disorders. The
 CC oligomers are also used for detecting cell type differentiation. ABC00010
 CC -ABC9989, ABF00010-ABF9989, ABH00010-ABH9989 and AB100010-AB182073
 CC represent the oligomers described in the invention. NOTE: The sequence
 CC data for this patent did not form part of the printed specification, but
 CC was obtained in electronic format from WIPO at
 CC ftp.wipo.int/pub/published_pct_sequences
 XX Sequence 12 BP; 2 A; 5 C; 0 G; 5 T; 0 U; 0 Other;
 SQ Query Match 12.9%; Score 9.4; DB 1; Length 12;
 Best Local Similarity 90.9%; Pred. No. 1.2e+03;
 Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
 QY 930 ATCCCTCCTCT 940
 DB 2 ATCCCTCCTCT 12
 RESULT 1647
 ABI58755
 ID ABI58755 standard; DNA; 12 BP.
 AC ABI58755;
 XX 22-FEB-2002 (first entry)
 DE Oligonucleotide primer SEQ ID NO 358728 for detecting SNP TSC0051269.
 XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
 KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
 KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
 XX Homo sapiens.
 OS WO200177384-A2.
 PN 18-OCT-2001.
 PD 06-APR-2001; 2001WO-1B000713.
 PF (EPIG-) EPIGENOMICS AG.
 PR Olek A, Piepenbrock C, Berlin K;
 XX WPI; 2001-657177/75.
 XX Set of oligonucleotides, useful for diagnosis and cell typing, is
 PT designed to detect single-nucleotide polymorphisms and cytosine
 PT methylation status.

XX Claim 1; SEQ ID NO 358728; 29pp + Sequence Listing; German.
 XX This invention describes novel oligonucleotide primers or peptide nucleic
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
 CC and cytosine methylation status in chemically pretreated genomic DNA. The
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
 CC range of diseases including immune system, gastrointestinal, respiratory,
 CC central nervous system, cardiovascular and metabolic disorders. The
 CC oligomers are also used for detecting cell type differentiation. ABC00010
 CC -ABC9989, ABF00010-ABF9989, ABH00010-ABH9989 and AB100010-AB182073
 CC represent the oligomers described in the invention. NOTE: The sequence
 CC data for this patent did not form part of the printed specification, but
 CC was obtained in electronic format from WIPO at
 CC ftp.wipo.int/pub/published_pct_sequences
 XX Sequence 12 BP; 2 A; 3 C; 0 G; 7 T; 0 U; 0 Other;
 SQ Query Match 12.9%; Score 9.4; DB 1; Length 12;
 Best Local Similarity 90.9%; Pred. No. 1.2e+03;
 Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
 QY 905 TCATTTTCCTTT 915
 DB 1 TCATTTTCCTTT 11
 RESULT 1648
 ABI75442/C
 ID ABI75442 standard; DNA; 12 BP.
 XX AC ABI75442;
 XX 22-FEB-2002 (first entry)
 DE Oligonucleotide primer SEQ ID NO 375415 for detecting SNP TSC0061236.
 XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
 KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
 KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
 XX Homo sapiens.
 OS WO200177384-A2.
 PN 18-OCT-2001.
 PD 06-APR-2001; 2001WO-1B000713.
 PF (EPIG-) EPIGENOMICS AG.
 PR Olek A, Piepenbrock C, Berlin K;
 XX WPI; 2001-657177/75.
 XX Set of oligonucleotides, useful for diagnosis and cell typing, is
 PT designed to detect single-nucleotide polymorphisms and cytosine
 PT methylation status.
 XX Claim 1; SEQ ID NO 375415; 29pp + Sequence Listing; German.
 XX This invention describes novel oligonucleotide primers or peptide nucleic
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
 CC and cytosine methylation status in chemically pretreated genomic DNA. The
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
 CC range of diseases including immune system, gastrointestinal, respiratory,
 CC central nervous system, cardiovascular and metabolic disorders. The
 CC oligomers are also used for detecting cell type differentiation. ABC00010
 CC -ABC9989, ABF00010-ABF9989, ABH00010-ABH9989 and AB100010-AB182073
 CC represent the oligomers described in the invention. NOTE: The sequence
 CC data for this patent did not form part of the printed specification, but
 CC was obtained in electronic format from WIPO at
 CC ftp.wipo.int/pub/published_pct_sequences
 XX Sequence 12 BP; 2 A; 3 C; 0 G; 7 T; 0 U; 0 Other;
 SQ Query Match 12.9%; Score 9.4; DB 1; Length 12;
 Best Local Similarity 90.9%; Pred. No. 1.2e+03;
 Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
 QY 905 TCATTTTCCTTT 915
 DB 1 TCATTTTCCTTT 11
 RESULT 1648
 ABI75442/C
 ID ABI75442 standard; DNA; 12 BP.
 XX AC ABI75442;
 XX 22-FEB-2002 (first entry)
 DE Oligonucleotide primer SEQ ID NO 375415 for detecting SNP TSC0061236.
 XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
 KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
 KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
 XX Homo sapiens.
 OS WO200177384-A2.
 PN 18-OCT-2001.
 PD 06-APR-2001; 2001WO-1B000713.
 PF (EPIG-) EPIGENOMICS AG.
 PR Olek A, Piepenbrock C, Berlin K;
 XX WPI; 2001-657177/75.
 XX Set of oligonucleotides, useful for diagnosis and cell typing, is
 PT designed to detect single-nucleotide polymorphisms and cytosine
 PT methylation status.
 XX Claim 1; SEQ ID NO 375415; 29pp + Sequence Listing; German.
 XX This invention describes novel oligonucleotide primers or peptide nucleic
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
 CC and cytosine methylation status in chemically pretreated genomic DNA. The
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
 CC range of diseases including immune system, gastrointestinal, respiratory,
 CC central nervous system, cardiovascular and metabolic disorders. The
 CC oligomers are also used for detecting cell type differentiation. ABC00010
 CC -ABC9989, ABF00010-ABF9989, ABH00010-ABH9989 and AB100010-AB182073
 CC represent the oligomers described in the invention. NOTE: The sequence
 CC data for this patent did not form part of the printed specification, but
 CC was obtained in electronic format from WIPO at
 CC ftp.wipo.int/pub/published_pct_sequences

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CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 12 BP; 3 A; 0 C; 6 G; 3 T; 0 U; 0 Other;

  Query Match      12.9%; Score 9.4; DB 1; Length 12;
  Best Local Similarity 90.9%; Pred. No. 1.2e+03;
  Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 933 CCTCTCTTCA 943
Db 12 CCACCTCTTCA 2

RESULT 1649
ABI20880/c
ID ABI20880 standard; DNA; 12 BP.
AC
XX ABI20880;
XX
DT 22-FEB-2002 (first entry)
XX
DE Oligonucleotide primer SEQ ID NO 320853 for detecting SNP TSC0029932.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
WPI; 2001-657177/75.
XX
PT Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
PS Claim 1; SEQ ID NO 320853; 29pp + Sequence Listing; German.
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 12 BP; 10 A; 2 C; 0 G; 0 T; 0 U; 0 Other;

  Query Match      12.9%; Score 9.4; DB 1; Length 12;
  Best Local Similarity 90.9%; Pred. No. 1.2e+03;
  Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 908 TTTTCTTTGGT 918
Db 11 TTTTCTTTGGT 1

RESULT 1650
ABI26065/c
ID ABI26065 standard; DNA; 12 BP.
AC
XX ABI26065;
XX
DT 22-FEB-2002 (first entry)
XX
DE Oligonucleotide primer SEQ ID NO 326038 for detecting SNP TSC0032865.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
WPI; 2001-657177/75.
XX
PT Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
PS Claim 1; SEQ ID NO 326038; 29pp + Sequence Listing; German.
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 12 BP; 6 A; 0 C; 6 G; 0 T; 0 U; 0 Other;

  Query Match      12.9%; Score 9.4; DB 1; Length 12;
  Best Local Similarity 90.9%; Pred. No. 1.2e+03;
  Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 928 TTATCCCTCTCT 938
Db 12 TTCTCCCTCTCT 2

RESULT 1651
ABI27938/c
ID ABI27938 standard; DNA; 12 BP.
AC
XX ABI27938;
XX
DT 22-FEB-2002 (first entry)
XX
DE Oligonucleotide primer SEQ ID NO 327911 for detecting SNP TSC0039970.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;

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KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
 XX Homo sapiens.
 OS
 PN WO200177384-A2.
 XX
 XX 18-OCT-2001.
 PD
 XX
 XX 06-APR-2001; 2001WO-IB000713.
 PP
 XX
 PR 07-APR-2000; 2000DE-01019173.
 XX
 XX (EPIC-) EPIGENOMICS AG.
 PA
 PI Olek A, Piepenbrock C, Berlin K;
 XX
 XX WPI; 2001-657177/75.
 DR
 XX Set of oligonucleotides, useful for diagnosis and cell typing, is
 PT designed to detect single-nucleotide polymorphisms and cytosine
 PT methylation status.
 XX
 PS Claim 1; SEQ ID NO 327911; 29pp + Sequence Listing; German.
 XX
 CC This invention describes novel oligonucleotide primers or peptide nucleic
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
 CC and cytosine methylation status in chemically pretreated genomic DNA. The
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
 CC range of diseases including immune system, gastrointestinal, respiratory,
 CC central nervous system, cardiovascular and metabolic disorders. The
 CC oligomers are also used for detecting cell type differentiation. ABC00010
 CC -ABC9989, ABF00010-ABF9989, ABH00010-ABH9989 and AB100010-AB182073
 CC represent the oligomers described in the invention. NOTE: The sequence
 CC data for this patent did not form part of the printed specification, but
 CC was obtained in electronic format from WIPO at
 CC ftp.wipo.int/pub/published_pct_sequences
 XX
 PS Sequence 12 BP; 7 A; 0 C; 4 G; 1 T; 0 U; 0 Other;
 XX
 CC Query Match 12.9%; Score 9.4; DB 1; Length 12;
 CC Best Local Similarity 90.9%; Pred. No. 1.2e+03;
 CC Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
 QY 934 CTCCTCTTCAT 944
 DB 11 CTCCTCTTCAT 1
 RESULT 1652
 ABH80035
 ID ABH80035 standard; DNA; 12 BP.
 XX
 AC ABH80035;
 XX
 XX 22-FEB-2002 (first entry)
 DT
 DE Oligonucleotide primer SEQ ID NO 280028 for detecting SNP TSC0008055.
 XX
 XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
 KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
 KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
 XX
 OS Homo sapiens.
 XX
 PN WO200177384-A2.
 XX
 PD 18-OCT-2001.
 XX
 XX 06-APR-2001; 2001WO-IB000713.
 PP
 XX
 PR 07-APR-2000; 2000DE-01019173.
 XX
 XX (EPIC-) EPIGENOMICS AG.
 PA

XX Olek A, Piepenbrock C, Berlin K;
 XX WPI; 2001-657177/75.
 XX
 PT Set of oligonucleotides, useful for diagnosis and cell typing, is
 PT designed to detect single-nucleotide polymorphisms and cytosine
 PT methylation status.
 XX
 PS Claim 1; SEQ ID NO 280028; 29pp + Sequence Listing; German.
 XX
 CC This invention describes novel oligonucleotide primers or peptide nucleic
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
 CC and cytosine methylation status in chemically pretreated genomic DNA. The
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
 CC range of diseases including immune system, gastrointestinal, respiratory,
 CC central nervous system, cardiovascular and metabolic disorders. The
 CC oligomers are also used for detecting cell type differentiation. ABC00010
 CC -ABC9989, ABF00010-ABF9989, ABH00010-ABH9989 and AB100010-AB182073
 CC represent the oligomers described in the invention. NOTE: The sequence
 CC data for this patent did not form part of the printed specification, but
 CC was obtained in electronic format from WIPO at
 CC ftp.wipo.int/pub/published_pct_sequences
 XX
 PS Sequence 12 BP; 3 A; 0 C; 3 G; 6 T; 0 U; 0 Other;
 XX
 CC Query Match 12.9%; Score 9.4; DB 1; Length 12;
 CC Best Local Similarity 90.9%; Pred. No. 1.2e+03;
 CC Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
 QY 946 GGTTTAATGTA 956
 DB 2 GGTTTAATGTA 12
 RESULT 1653
 AB107190/c
 ID AB107190 standard; DNA; 12 BP.
 XX
 AC AB107190;
 XX
 XX 22-FEB-2002 (first entry)
 DT
 DE Oligonucleotide primer SEQ ID NO 307163 for detecting SNP TSC0022367.
 XX
 XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
 KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
 KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
 XX
 OS Homo sapiens.
 XX
 PN WO200177384-A2.
 XX
 PD 18-OCT-2001.
 XX
 XX 06-APR-2001; 2001WO-IB000713.
 PP
 XX
 PR 07-APR-2000; 2000DE-01019173.
 XX
 XX (EPIC-) EPIGENOMICS AG.
 PA
 PI Olek A, Piepenbrock C, Berlin K;
 XX
 XX WPI; 2001-657177/75.
 DR
 XX Set of oligonucleotides, useful for diagnosis and cell typing, is
 PT designed to detect single-nucleotide polymorphisms and cytosine
 PT methylation status.
 XX
 PS Claim 1; SEQ ID NO 307163; 29pp + Sequence Listing; German.
 XX
 CC This invention describes novel oligonucleotide primers or peptide nucleic
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)

CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC9989, ABF00010-ABF9989, ABH00010-ABH9989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 12 BP; 2 A; 0 C; 4 G; 6 T; 0 U; 0 Other;

Query Match 12.9%; Score 9.4; DB 1; Length 12;
Best Local Similarity 90.9%; Pred. No. 1.2e+03;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 956 ATCGCTACCAA 966
Db 11 ATCACTACCAA 1

RESULT 1654
ABH82598/c
ID ABH82598 standard; DNA; 12 BP.
XX
AC ABH82598;
XX
DT 22-FEB-2002 (first entry)
XX
DE Oligonucleotide primer SEQ ID NO 282591 for detecting SNP TSC0010898.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
DR WPI; 2001-657177/75.
XX
PT Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
PS Claim 1; SEQ ID NO 282591; 29pp + Sequence Listing; German.

CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC9989, ABF00010-ABF9989, ABH00010-ABH9989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 12 BP; 6 A; 3 C; 1 G; 2 T; 0 U; 0 Other;

Query Match 12.9%; Score 9.4; DB 1; Length 12;
Best Local Similarity 90.9%; Pred. No. 1.2e+03;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 949 TTAATGTATCG 959
Db 11 TTATTGTATCG 1

RESULT 1655
ABH84297
ID ABH84297 standard; DNA; 12 BP.
XX
AC ABH84297;
XX
DT 22-FEB-2002 (first entry)
XX
DE Oligonucleotide primer SEQ ID NO 284290 for detecting SNP TSC0011757.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
DR WPI; 2001-657177/75.
XX
PT Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
PS Claim 1; SEQ ID NO 284290; 29pp + Sequence Listing; German.

CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC9989, ABF00010-ABF9989, ABH00010-ABH9989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 12 BP; 3 A; 0 C; 4 G; 5 T; 0 U; 0 Other;

Query Match 12.9%; Score 9.4; DB 1; Length 12;
Best Local Similarity 90.9%; Pred. No. 1.2e+03;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 945 TGGTTTAATGT 955
Db 1 TGGATTAATGT 11

RESULT 1656
ABI66617
ID ABI66617 standard; DNA; 12 BP.
XX

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AC AB168617;
XX
DT 22-FEB-2002 (first entry)
XX
DE Oligonucleotide primer SEQ ID NO 368590 for detecting SNP TSC0057099.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
PI WPI; 2001-657177/75.
XX
PT Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
PS Claim 1; SEQ ID NO 368590; 29pp + Sequence Listing; German.
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC9989, ABF00010-ABF9989, ABH00010-ABH9989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 12 BP; 2 A; 3 C; 0 G; 7 T; 0 U; 0 Other;
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC9989, ABF00010-ABF9989, ABH00010-ABH9989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
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XX
SQ Sequence 12 BP; 2 A; 3 C; 0 G; 7 T; 0 U; 0 Other;

Query Match 12.9%; Score 9.4; DB 1; Length 12;
Best Local Similarity 90.9%; Pred. No. 1.2e+03;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 921 TTGCTTTTAT 931
Db 2 TTCCCTTTAT 12
||| |||||
||| |||||

RESULT 1657
AB157840
ID AB157840 standard; DNA; 12 BP.
XX
AC AB157840;
XX
DT 22-FEB-2002 (first entry)
XX
DE Oligonucleotide primer SEQ ID NO 357813 for detecting SNP TSC0050805.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
PI WPI; 2001-657177/75.
XX
PT Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
PS Claim 1; SEQ ID NO 357813; 29pp + Sequence Listing; German.
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC9989, ABF00010-ABF9989, ABH00010-ABH9989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 12 BP; 2 A; 3 C; 0 G; 7 T; 0 U; 0 Other;

Query Match 12.9%; Score 9.4; DB 1; Length 12;
Best Local Similarity 90.9%; Pred. No. 1.2e+03;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 921 TTGCTTTTAT 931
Db 2 TTCCCTTTAT 12
||| |||||
||| |||||

RESULT 1658
AB177565
ID AB177565 standard; DNA; 12 BP.
XX
AC AB177565;
XX
DT 22-FEB-2002 (first entry)
XX
DE Oligonucleotide primer SEQ ID NO 377538 for detecting SNP TSC0062375.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB000713.
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PR 07-APR-2000; 2000DE-01019173.
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PI Olek A, Piepenbrock C, Berlin K;
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PI WPI; 2001-657177/75.
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CC This invention describes novel oligonucleotide primers or peptide nucleic
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XX
SQ Sequence 12 BP; 2 A; 3 C; 0 G; 7 T; 0 U; 0 Other;

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PT designed to detect single-nucleotide polymorphisms and cytosine
XX methylation status.

PS Claim 1; SEQ ID NO 377538; 29pp + Sequence Listing; German.

XX

CC This invention describes novel oligonucleotide primers or peptide nucleic
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CC and cytosine methylation status in chemically pretreated genomic DNA. The
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CC central nervous system, cardiovascular and metabolic disorders. The
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CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
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CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences

XX

SQ Sequence 12 BP; 4 A; 2 C; 0 G; 6 T; 0 U; 0 Other;
Query Match 12.9%; Score 9.4; DB 1; Length 12;
Best Local Similarity 90.9%; Pred. No. 1.2e+03;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

OY 948 TTTAATGATC 958
Db 2 TTTAATATATC 12
|||||

RESULT 1659
ABI79088
ID ABI79088 standard; DNA; 12 BP.
XX
AC ABI79088;
XX
XX
DT 22-FEB-2002 (first entry)
DE Oligonucleotide primer SEQ ID NO 379061 for detecting SNP TSC0063057.
XX
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX Homo sapiens.
XX
XX WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB000713.
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PR 07-APR-2000; 2000DE-01019173.
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XX (EPIG-) EPIGENOMICS AG.
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PI Olek A, Piepenbrock C, Berlin K;
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XX WPI; 2001-657177/75.
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PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.

XX

PS Claim 1; SEQ ID NO 379061; 29pp + Sequence Listing; German.

XX

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CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010

CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences

XX

SQ Sequence 12 BP; 4 A; 0 C; 3 G; 5 T; 0 U; 0 Other;
Query Match 12.9%; Score 9.4; DB 1; Length 12;
Best Local Similarity 90.9%; Pred. No. 1.2e+03;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

OY 943 ATTGTTTAAAT 953
Db 1 AGTGGTTTAAAT 11
|||||

RESULT 1660
ABI20744
ID ABI20744 standard; DNA; 12 BP.
XX
AC ABI20744;
XX
XX
DT 22-FEB-2002 (first entry)
DE Oligonucleotide primer SEQ ID NO 320717 for detecting SNP TSC0029858.
XX
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX Homo sapiens.
XX
XX WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
XX (EPIG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
XX WPI; 2001-657177/75.
XX
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.

XX

PS Claim 1; SEQ ID NO 320717; 29pp + Sequence Listing; German.

XX

CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences

XX

SQ Sequence 12 BP; 1 A; 0 C; 4 G; 7 T; 0 U; 0 Other;
Query Match 12.9%; Score 9.4; DB 1; Length 12;
Best Local Similarity 90.9%; Pred. No. 1.2e+03;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

OY 945 TGCTTTAATGT 955

PR 07-APR-2000; 2000DE-01019173.
XX (EPIG-) EPIGENOMICS AG.
XX Olek A, Piepenbrock C, Berlin K;
XX WPI; 2001-657177/75.
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX Claim 1; SEQ ID NO 331462; 29pp + Sequence Listing; German.
XX This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC9989, ABF00010-ABF9989, ABH00010-ABH9989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 12 BP; 8 A; 3 C; 0 G; 1 T; 0 U; 0 Other;
Query Match 12.9%; Score 9.4; DB 1; Length 12;
Best Local Similarity 90.9%; Pred. No. 1.2e+03;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
QY 944 TTGGTTTATG 954
Db 11 TTGGTTTATG 1
RESULT 1664
ABI08780
ID ABI08780 standard; DNA; 12 BP.
XX
AC ABI08780;
XX
DT 22-FEB-2002 (first entry)
XX
DE Oligonucleotide primer SEQ ID NO 308753 for detecting SNP TSC0023199.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
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PF 06-APR-2001; 2001WO-IB000713.
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PR 07-APR-2000; 2000DE-01019173.
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PA (EPIG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
DR WPI; 2001-657177/75.
XX
PT Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
PS Claim 1; SEQ ID NO 308753; 29pp + Sequence Listing; German.
XX This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
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CC -ABC9989, ABF00010-ABF9989, ABH00010-ABH9989 and ABI00010-ABI82073
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CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 12 BP; 8 A; 3 C; 0 G; 1 T; 0 U; 0 Other;
Query Match 12.9%; Score 9.4; DB 1; Length 12;
Best Local Similarity 90.9%; Pred. No. 1.2e+03;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
QY 944 TTGGTTTATG 954
Db 11 TTGGTTTATG 1
RESULT 1664
ABI08780
ID ABI08780 standard; DNA; 12 BP.
XX
AC ABI08780;
XX
DT 22-FEB-2002 (first entry)
XX
DE Oligonucleotide primer SEQ ID NO 308753 for detecting SNP TSC0023199.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
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PD 18-OCT-2001.
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PF 06-APR-2001; 2001WO-IB000713.
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PI Olek A, Piepenbrock C, Berlin K;
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DR WPI; 2001-657177/75.
XX
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PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
PS Claim 1; SEQ ID NO 308753; 29pp + Sequence Listing; German.
XX This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
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CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC9989, ABF00010-ABF9989, ABH00010-ABH9989 and ABI00010-ABI82073
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CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 12 BP; 3 A; 0 C; 2 G; 7 T; 0 U; 0 Other;
Query Match 12.9%; Score 9.4; DB 1; Length 12;
Best Local Similarity 90.9%; Pred. No. 1.2e+03;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
QY 947 GTTAAATGAT 957
Db 1 GTTAAATGAT 1
RESULT 1665
ABH84725
ID ABH84725 standard; DNA; 12 BP.
XX
AC ABH84725;
XX
DT 22-FEB-2002 (first entry)
XX
DE Oligonucleotide primer SEQ ID NO 284718 for detecting SNP TSC0011966.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
DR WPI; 2001-657177/75.
XX
PT Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
PS Claim 1; SEQ ID NO 284718; 29pp + Sequence Listing; German.
XX This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC9989, ABF00010-ABF9989, ABH00010-ABH9989 and ABI00010-ABI82073
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CC ftp.wipo.int/pub/published_pct_sequences

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XX SQ Sequence 12 BP; 0 A; 0 C; 3 G; 9 T; 0 U; 0 Other;
Query Match 12.9%; Score 9.4; DB 1; Length 12;
Best Local Similarity 90.9%; Pred. No. 1.2e+03;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 908 TTTTCTTTGGT 918
Db 1 TTTTCTTTGGT 11

RESULT 1666
ABI34822/c
ID ABI34822 standard; DNA; 12 BP.
XX AC ABI34822;
XX DT 22-FEB-2002 (first entry)
XX DE Oligonucleotide primer SEQ ID NO 334795 for detecting SNP TSC0038408.
XX KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX OS Homo sapiens.
XX PN WO200177384-A2.
XX PD 18-OCT-2001.
XX PF 06-APR-2001; 2001WO-IB000713.
XX PR 07-APR-2000; 2000DE-01019173.
XX PA (EPIG-) EPIGENOMICS AG.
XX PI Olek A, Piepenbrock C, Berlin K;
XX DR WPI; 2001-657177/75.
XX PT Set of oligonucleotides, useful for diagnosis and cell typing, is
XX PT designed to detect single-nucleotide polymorphisms and cytosine
XX PT methylation status.
XX PS Claim 1; SEQ ID NO 334795; 29pp + Sequence Listing; German.
XX CC This invention describes novel oligonucleotide primers or peptide nucleic
XX CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
XX CC and cytosine methylation status in chemically pretreated genomic DNA. The
XX CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
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XX CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
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XX CC ftp.wipo.int/pub/published_pct_sequences
XX SQ Sequence 12 BP; 6 A; 4 C; 0 G; 2 T; 0 U; 0 Other;
Query Match 12.9%; Score 9.4; DB 1; Length 12;
Best Local Similarity 90.9%; Pred. No. 1.2e+03;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 941 TCATTGGTTTA 951
Db 12 TCATTGGTTTA 2

RESULT 1667
ABI11594
ID ABI11594 standard; DNA; 12 BP.
XX AC ABI11594;
XX DT 22-FEB-2002 (first entry)
XX DE Oligonucleotide primer SEQ ID NO 311567 for detecting SNP TSC0024557.
XX KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX OS Homo sapiens.
XX PN WO200177384-A2.
XX PD 18-OCT-2001.
XX PF 06-APR-2001; 2001WO-IB000713.
XX PR 07-APR-2000; 2000DE-01019173.
XX PA (EPIG-) EPIGENOMICS AG.
XX PI Olek A, Piepenbrock C, Berlin K;
XX DR WPI; 2001-657177/75.
XX PT Set of oligonucleotides, useful for diagnosis and cell typing, is
XX PT designed to detect single-nucleotide polymorphisms and cytosine
XX PT methylation status.
XX PS Claim 1; SEQ ID NO 311567; 29pp + Sequence Listing; German.
XX CC This invention describes novel oligonucleotide primers or peptide nucleic
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XX CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
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XX SQ Sequence 12 BP; 1 A; 0 C; 2 G; 9 T; 0 U; 0 Other;
Query Match 12.9%; Score 9.4; DB 1; Length 12;
Best Local Similarity 90.9%; Pred. No. 1.2e+03;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 940 TCATTGGTTT 950
Db 2 TTTATTGGTTT 12

RESULT 1668
ABI12283/c
ID ABI12283 standard; DNA; 12 BP.
XX AC ABI12283;
XX DT 22-FEB-2002 (first entry)
XX DE Oligonucleotide primer SEQ ID NO 312256 for detecting SNP TSC0024937.
XX KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX KW central nervous system; gastrointestinal; respiratory; immune; metabolic.

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OS Homo sapiens.
XX WO200177384-A2.
XX 18-OCT-2001.
XX 06-APR-2001; 2001WO-IB000713.
XX 07-APR-2000; 2000DE-01019173.
XX (EPIG-) EPIGENOMICS AG.
XX Olek A, Piepenbrock C, Berlin K;
XX WPI; 2001-657177/75.
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX Claim 1; SEQ ID NO 312256; 29pp + Sequence Listing; German.
XX This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
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CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
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Query Match 12.9%; Score 9.4; DB 1; Length 12;
Best Local Similarity 90.9%; Pred. No. 1.2e+03;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
QY 921 TTGCGTTTAT 931
DB 12 TTACCTTTAT 2
RESULT 1669
ABH89942/C
ID ABH89942 standard; DNA; 12 BP.
XX AC ABH89942;
XX 22-FEB-2002 (first entry)
DE Oligonucleotide primer SEQ ID NO 289935 for detecting SNP TSC0014156.
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX Homo sapiens.
XX WO200177384-A2.
XX 18-OCT-2001.
XX 06-APR-2001; 2001WO-IB000713.
XX 07-APR-2000; 2000DE-01019173.
XX (EPIG-) EPIGENOMICS AG.
XX Olek A, Piepenbrock C, Berlin K;
PI

XX WPI; 2001-657177/75.
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XX Claim 1; SEQ ID NO 289935; 29pp + Sequence Listing; German.
XX This invention describes novel oligonucleotide primers or peptide nucleic
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CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
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CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
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SQ Sequence 12 BP; 9 A; 2 C; 0 G; 1 T; 0 U; 0 Other;
Query Match 12.9%; Score 9.4; DB 1; Length 12;
Best Local Similarity 90.9%; Pred. No. 1.2e+03;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
QY 908 TTTCTTTTGGT 918
DB 11 TTTTATTGGT 1
RESULT 1670
ABH90326/C
ID ABH90326 standard; DNA; 12 BP.
XX AC ABH90326;
XX 22-FEB-2002 (first entry)
DE Oligonucleotide primer SEQ ID NO 290319 for detecting SNP TSC0014287.
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX Homo sapiens.
XX WO200177384-A2.
XX 18-OCT-2001.
XX 06-APR-2001; 2001WO-IB000713.
XX 07-APR-2000; 2000DE-01019173.
XX (EPIG-) EPIGENOMICS AG.
XX Olek A, Piepenbrock C, Berlin K;
XX WPI; 2001-657177/75.
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX Claim 1; SEQ ID NO 290319; 29pp + Sequence Listing; German.
XX This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
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CC range of diseases including immune system, gastrointestinal, respiratory,
 CC central nervous system, cardiovascular and metabolic disorders. The
 CC oligomers are also used for detecting cell type differentiation. ABC000010
 CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
 CC represent the oligomers described in the invention. NOTE: The sequence
 CC data for this patent did not form part of the printed specification, but
 CC was obtained in electronic format from WIPO at
 CC ftp.wipo.int/pub/published_pct_sequences
 XX
 SQ Sequence 12 BP; 7 A; 0 C; 4 G; 1 T; 0 U; 0 Other;

Query Match 12.9%; Score 9.4; DB 1; Length 12;
 Best Local Similarity 90.9%; Pred. No. 1.2e+03;
 Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 905 TCATTTCCTT 915
 DB 12 TCATTTCCT 2
 RESULT 1671
 ABI45021/c
 ID ABI45021 standard; DNA; 12 BP.
 AC ABI45021;
 XX
 DT 22-FEB-2002 (first entry)
 DE Oligonucleotide primer SEQ ID NO 344994 for detecting SNP TSC0043814.

XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
 XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
 XX central nervous system; gastrointestinal; respiratory; immune; metabolic.
 XX Homo sapiens.

XX WO200177384-A2.
 XX 18-OCT-2001.
 XX 06-APR-2001; 2001WO-IB000713.
 XX 07-APR-2000; 2000DE-01019173.

XX (EPIG-) EPIGENOMICS AG.
 XX Olek A, Piepenbrock C, Berlin K;
 XX WPI; 2001-657177/75.
 XX Set of oligonucleotides, useful for diagnosis and cell typing, is
 XX designed to detect single-nucleotide polymorphisms and cytosine
 XX methylation status.

XX Claim 1; SEQ ID NO 344994; 29pp + Sequence Listing; German.
 XX This invention describes novel oligonucleotide primers or peptide nucleic
 XX acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
 XX and cytosine methylation status in chemically pretreated genomic DNA. The
 XX oligonucleotides are used for diagnosis and/or prognosis of cancer and a
 XX range of diseases including immune system, gastrointestinal, respiratory,
 XX central nervous system, cardiovascular and metabolic disorders. The
 XX oligomers are also used for detecting cell type differentiation. ABC000010
 XX -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
 XX represent the oligomers described in the invention. NOTE: The sequence
 XX data for this patent did not form part of the printed specification, but
 XX was obtained in electronic format from WIPO at
 XX ftp.wipo.int/pub/published_pct_sequences

XX Sequence 12 BP; 7 A; 4 C; 0 G; 1 T; 0 U; 0 Other;
 Query Match 12.9%; Score 9.4; DB 1; Length 12;
 Best Local Similarity 90.9%; Pred. No. 1.2e+03;
 Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 905 TCATTTCCTT 915
 DB 12 TCATTTCCT 2
 RESULT 1671
 ABI45021/c
 ID ABI45021 standard; DNA; 12 BP.
 AC ABI45021;
 XX
 DT 22-FEB-2002 (first entry)
 DE Oligonucleotide primer SEQ ID NO 344994 for detecting SNP TSC0043814.

XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
 XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
 XX central nervous system; gastrointestinal; respiratory; immune; metabolic.
 XX Homo sapiens.

Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
 QY 940 TTGATTGGTTT 950
 DB 11 TTGATTGGTTT 1
 RESULT 1672
 ABI48099/c
 ID ABI48099 standard; DNA; 12 BP.

XX ABI48099;
 XX 22-FEB-2002 (first entry)
 DE Oligonucleotide primer SEQ ID NO 348072 for detecting SNP TSC0010192.

XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
 XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
 XX central nervous system; gastrointestinal; respiratory; immune; metabolic.

XX Homo sapiens.
 XX WO200177384-A2.
 XX 18-OCT-2001.
 XX 06-APR-2001; 2001WO-IB000713.
 XX 07-APR-2000; 2000DE-01019173.

XX (EPIG-) EPIGENOMICS AG.
 XX Olek A, Piepenbrock C, Berlin K;
 XX WPI; 2001-657177/75.
 XX Set of oligonucleotides, useful for diagnosis and cell typing, is
 XX designed to detect single-nucleotide polymorphisms and cytosine
 XX methylation status.

XX Claim 1; SEQ ID NO 348072; 29pp + Sequence Listing; German.
 XX This invention describes novel oligonucleotide primers or peptide nucleic
 XX acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
 XX and cytosine methylation status in chemically pretreated genomic DNA. The
 XX oligonucleotides are used for diagnosis and/or prognosis of cancer and a
 XX range of diseases including immune system, gastrointestinal, respiratory,
 XX central nervous system, cardiovascular and metabolic disorders. The
 XX oligomers are also used for detecting cell type differentiation. ABC000010
 XX -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
 XX represent the oligomers described in the invention. NOTE: The sequence
 XX data for this patent did not form part of the printed specification, but
 XX was obtained in electronic format from WIPO at
 XX ftp.wipo.int/pub/published_pct_sequences

XX Sequence 12 BP; 5 A; 0 C; 6 G; 1 T; 0 U; 0 Other;
 Query Match 12.9%; Score 9.4; DB 1; Length 12;
 Best Local Similarity 90.9%; Pred. No. 1.2e+03;
 Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 934 CTCCTCTTCAT 944
 DB 12 CTCCTCTTCCT 2
 RESULT 1673
 ABI48703/c
 ID ABI48703 standard; DNA; 12 BP.

XX ABI48703;
 XX

DT 22-FEB-2002 (first entry)
 XX Oligonucleotide primer SEQ ID NO 348676 for detecting SNP TSC0000619.
 DE
 DE SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
 KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
 KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
 KW
 OS Homo sapiens.
 XX
 XX WO200177384-A2.
 PN
 XX 18-OCT-2001.
 PD
 XX
 XX 06-APR-2001; 2001WO-IB000713.
 PF
 XX 07-APR-2000; 2000DE-01019173.
 PR
 XX (EPIG-) EPIGENOMICS AG.
 PA
 XX Olek A, Piepenbrock C, Berlin K;
 PI
 XX WPI; 2001-657177/75.
 DR
 XX Set of oligonucleotides, useful for diagnosis and cell typing, is
 PT designed to detect single-nucleotide polymorphisms and cytosine
 PT methylation status.
 PT
 XX Claim 1; SEQ ID NO 348676; 29pp + Sequence Listing; German.
 PS
 XX This invention describes novel oligonucleotide primers or peptide nucleic
 XX acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
 CC and cytosine methylation status in chemically pretreated genomic DNA. The
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
 CC range of diseases including immune system, gastrointestinal, respiratory,
 CC central nervous system, cardiovascular and metabolic disorders. The
 CC oligomers are also used for detecting cell type differentiation. ABC00010
 CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
 CC represent the oligomers described in the invention. NOTE: The sequence
 CC data for this patent did not form part of the printed specification, but
 CC was obtained in electronic format from WIPO at
 CC ftp.wipo.int/pub/published_pct_sequences
 CC
 XX Sequence 12 BP; 7 A; 3 C; 0 G; 2 T; 0 U; 0 Other;
 SQ
 XX This invention describes novel oligonucleotide primers or peptide nucleic
 XX acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
 CC and cytosine methylation status in chemically pretreated genomic DNA. The
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
 CC range of diseases including immune system, gastrointestinal, respiratory,
 CC central nervous system, cardiovascular and metabolic disorders. The
 CC oligomers are also used for detecting cell type differentiation. ABC00010
 CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
 CC represent the oligomers described in the invention. NOTE: The sequence
 CC data for this patent did not form part of the printed specification, but
 CC was obtained in electronic format from WIPO at
 CC ftp.wipo.int/pub/published_pct_sequences
 CC
 XX Sequence 12 BP; 7 A; 3 C; 0 G; 2 T; 0 U; 0 Other;
 SQ
 Query Match 12.9%; Score 9.4; DB 1; Length 12;
 Best Local Similarity 90.9%; Pred. No. 1.2e+03;
 Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
 QY 943 ATTGGTTTAAAT 953
 DB 11 ATTGGTTTAAAT 1
 RESULT 1674
 ABI58212
 ID ABI58212 standard; DNA; 12 BP.
 XX
 XX ABI58212;
 AC
 XX 22-FEB-2002 (first entry)
 DT
 XX Oligonucleotide primer SEQ ID NO 358185 for detecting SNP TSC0050983.
 DE
 XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
 KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
 KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
 KW
 OS Homo sapiens.
 XX
 XX WO200177384-A2.
 PN
 XX 18-OCT-2001.
 PD
 XX

XX 06-APR-2001; 2001WO-IB000713.
 XX
 XX 07-APR-2000; 2000DE-01019173.
 PR
 XX (EPIG-) EPIGENOMICS AG.
 PA
 XX Olek A, Piepenbrock C, Berlin K;
 PI
 XX WPI; 2001-657177/75.
 DR
 XX Set of oligonucleotides, useful for diagnosis and cell typing, is
 PT designed to detect single-nucleotide polymorphisms and cytosine
 PT methylation status.
 PT
 XX Claim 1; SEQ ID NO 358185; 29pp + Sequence Listing; German.
 PS
 XX This invention describes novel oligonucleotide primers or peptide nucleic
 XX acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
 CC and cytosine methylation status in chemically pretreated genomic DNA. The
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
 CC range of diseases including immune system, gastrointestinal, respiratory,
 CC central nervous system, cardiovascular and metabolic disorders. The
 CC oligomers are also used for detecting cell type differentiation. ABC00010
 CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
 CC represent the oligomers described in the invention. NOTE: The sequence
 CC data for this patent did not form part of the printed specification, but
 CC was obtained in electronic format from WIPO at
 CC ftp.wipo.int/pub/published_pct_sequences
 CC
 XX Sequence 12 BP; 2 A; 5 C; 0 G; 5 T; 0 U; 0 Other;
 SQ
 Query Match 12.9%; Score 9.4; DB 1; Length 12;
 Best Local Similarity 90.9%; Pred. No. 1.2e+03;
 Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
 QY 930 ATCTCTCTCTCT 940
 DB 1 ATCTCTCTCT 11
 RESULT 1675
 ABI74928/c
 ID ABI74928 standard; DNA; 12 BP.
 XX
 XX ABI74928;
 AC
 XX 22-FEB-2002 (first entry)
 DT
 XX Oligonucleotide primer SEQ ID NO 374901 for detecting SNP TSC0060962.
 DE
 XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
 KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
 KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
 KW
 OS Homo sapiens.
 XX
 XX WO200177384-A2.
 PN
 XX 18-OCT-2001.
 PD
 XX 06-APR-2001; 2001WO-IB000713.
 PF
 XX 07-APR-2000; 2000DE-01019173.
 PR
 XX (EPIG-) EPIGENOMICS AG.
 PA
 XX Olek A, Piepenbrock C, Berlin K;
 PI
 XX WPI; 2001-657177/75.
 DR
 XX Set of oligonucleotides, useful for diagnosis and cell typing, is
 PT designed to detect single-nucleotide polymorphisms and cytosine
 PT methylation status.
 PT

methylation status.

Claim 1; SEQ ID NO 374901; 29pp + Sequence Listing; German.

This invention describes novel oligonucleotide primers or peptide nucleic acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP) and cytosine methylation status in chemically pretreated genomic DNA. The oligonucleotides are used for diagnosis and/or prognosis of cancer and a range of diseases including immune system, gastrointestinal, respiratory, central nervous system, cardiovascular and metabolic disorders. The oligomers are also used for detecting cell type differentiation. ABC00010 -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073 represent the oligomers described in the invention. NOTE: The sequence data for this patent did not form part of the printed specification, but was obtained in electronic format from WIPO at ftp.wipo.int/pub/published_pct_sequences

Sequence 12 BP; 6 A; 0 C; 5 G; 1 T; 0 U; 0 Other;

Query Match 12.9%; Score 9.4; DB 1; Length 12;
Best Local Similarity 90.9%; Pred. No. 1.2e+03;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 931 TCCTCTCTCTT 941
DB 12 TCCTCTCTCTT 2
|||||

RESULT 1676
ABI61706
ID ABI61706 standard; DNA; 12 BP.

AC ABI61706;

DT 22-FEB-2002 (first entry)

XX Oligonucleotide primer SEQ ID NO 361679 for detecting SNP TSC0052761.

XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX central nervous system; gastrointestinal; respiratory; immune; metabolic.

XX Homo sapiens.

XX WO200177384-A2.

PD 18-OCT-2001.

PF 06-APR-2001; 2001WO-IB000713.

PR 07-APR-2000; 2000DE-01019173.

PA (EPIG-) EPIGENOMICS AG.

PI Olek A, Piepenbrock C, Berlin K;

XX WPI; 2001-657177/75.

XX Set of oligonucleotides, useful for diagnosis and cell typing, is
XX designed to detect single-nucleotide polymorphisms and cytosine
XX methylation status.

Claim 1; SEQ ID NO 361679; 29pp + Sequence Listing; German.

This invention describes novel oligonucleotide primers or peptide nucleic acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP) and cytosine methylation status in chemically pretreated genomic DNA. The oligonucleotides are used for diagnosis and/or prognosis of cancer and a range of diseases including immune system, gastrointestinal, respiratory, central nervous system, cardiovascular and metabolic disorders. The oligomers are also used for detecting cell type differentiation. ABC00010 -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073 represent the oligomers described in the invention. NOTE: The sequence

data for this patent did not form part of the printed specification, but was obtained in electronic format from WIPO at ftp.wipo.int/pub/published_pct_sequences

Sequence 12 BP; 2 A; 1 C; 1 G; 8 T; 0 U; 0 Other;

Query Match 12.9%; Score 9.4; DB 1; Length 12;
Best Local Similarity 90.9%; Pred. No. 1.2e+03;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 948 TTTAATGATC 958
DB 2 TTTAATGATC 12
|||||

RESULT 1677
ABH92783
ID ABH92783 standard; DNA; 12 BP.

AC ABH92783;

DT 22-FEB-2002 (first entry)

XX Oligonucleotide primer SEQ ID NO 292776 for detecting SNP TSC0015353.

XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX central nervous system; gastrointestinal; respiratory; immune; metabolic.

XX Homo sapiens.

XX WO200177384-A2.

PD 18-OCT-2001.

PF 06-APR-2001; 2001WO-IB000713.

PR 07-APR-2000; 2000DE-01019173.

PA (EPIG-) EPIGENOMICS AG.

PI Olek A, Piepenbrock C, Berlin K;

XX WPI; 2001-657177/75.

XX Set of oligonucleotides, useful for diagnosis and cell typing, is
XX designed to detect single-nucleotide polymorphisms and cytosine
XX methylation status.

Claim 1; SEQ ID NO 292776; 29pp + Sequence Listing; German.

This invention describes novel oligonucleotide primers or peptide nucleic acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP) and cytosine methylation status in chemically pretreated genomic DNA. The oligonucleotides are used for diagnosis and/or prognosis of cancer and a range of diseases including immune system, gastrointestinal, respiratory, central nervous system, cardiovascular and metabolic disorders. The oligomers are also used for detecting cell type differentiation. ABC00010 -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073 represent the oligomers described in the invention. NOTE: The sequence data for this patent did not form part of the printed specification, but was obtained in electronic format from WIPO at ftp.wipo.int/pub/published_pct_sequences

Sequence 12 BP; 3 A; 0 C; 2 G; 7 T; 0 U; 0 Other;

Query Match 12.9%; Score 9.4; DB 1; Length 12;
Best Local Similarity 90.9%; Pred. No. 1.2e+03;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 941 TCATTGTTTA 951
DB 2 TTATTGTTTA 12
|||||

PA (EPIG-) EPIGENOMICS AG.
 XX Olek A, Piepenbrock C, Berlin K;
 XX WPI; 2001-657177/75.
 XX Set of oligonucleotides, useful for diagnosis and cell typing, is
 PT designed to detect single-nucleotide polymorphisms and cytosine
 PT methylation status.
 XX Claim 1; SEQ ID NO 321341; 29pp + Sequence Listing; German.
 XX This invention describes novel oligonucleotide primers or peptide nucleic
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
 CC and cytosine methylation status in chemically pretreated genomic DNA. The
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
 CC range of diseases including immune system, gastrointestinal, respiratory,
 CC central nervous system, cardiovascular and metabolic disorders. The
 CC oligomers are also used for detecting cell type differentiation. ABC00010
 CC -ABC9989, ABF00010-ABF9989, ABH00010-ABH9989 and ABI00010-ABI82073
 CC represent the oligomers described in the invention. NOTE: The sequence
 CC data for this patent did not form part of the invention. NOTE: The sequence
 CC was obtained in electronic format from WIPO at
 CC ftp.wipo.int/pub/published_pct_sequences
 XX SQ Sequence 12 BP; 2 A; 2 C; 0 G; 8 T; 0 U; 0 Other;
 Query Match 12.9%; Score 9.4; DB 1; Length 12;
 Best Local Similarity 90.9%; Pred. No. 1.2e+03;
 Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
 QY 905 TCATTTTCCTT 915
 Db 2 TAATTTTCCTT 12
 RESULT 1681
 ABH72328/c
 ID ABH72328 standard; DNA; 12 BP.
 XX AC ABH72328;
 XX 22-FEB-2002 (first entry)
 DE Oligonucleotide primer SEQ ID NO 272307 for detecting SNP TSC0002774.
 XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
 KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
 KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
 XX Homo sapiens.
 OS WO200177384-A2.
 PN 18-OCT-2001.
 XX 06-APR-2001; 2001WO-IB000713.
 XX 07-APR-2000; 2000DE-01019173.
 XX (EPIG-) EPIGENOMICS AG.
 PA Olek A, Piepenbrock C, Berlin K;
 XX WPI; 2001-657177/75.
 XX Set of oligonucleotides, useful for diagnosis and cell typing, is
 PT designed to detect single-nucleotide polymorphisms and cytosine
 PT methylation status.
 XX Claim 1; SEQ ID NO 272307; 29pp + Sequence Listing; German.
 XX This invention describes novel oligonucleotide primers or peptide nucleic

CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
 CC and cytosine methylation status in chemically pretreated genomic DNA. The
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
 CC range of diseases including immune system, gastrointestinal, respiratory,
 CC central nervous system, cardiovascular and metabolic disorders. The
 CC oligomers are also used for detecting cell type differentiation. ABC00010
 CC -ABC9989, ABF00010-ABF9989, ABH00010-ABH9989 and ABI00010-ABI82073
 CC represent the oligomers described in the invention. NOTE: The sequence
 CC data for this patent did not form part of the invention. NOTE: The sequence
 CC was obtained in electronic format from WIPO at
 CC ftp.wipo.int/pub/published_pct_sequences
 XX SQ Sequence 12 BP; 8 A; 3 C; 0 G; 1 T; 0 U; 0 Other;
 Query Match 12.9%; Score 9.4; DB 1; Length 12;
 Best Local Similarity 90.9%; Pred. No. 1.2e+03;
 Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
 QY 945 TGGTTTAATGT 955
 Db 12 TGGTTTAATGT 2
 RESULT 1682
 ABH80677
 ID ABH80677 standard; DNA; 12 BP.
 XX AC ABH80677;
 XX 22-FEB-2002 (first entry)
 DE Oligonucleotide primer SEQ ID NO 280670 for detecting SNP TSC0008922.
 XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
 KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
 KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
 XX Homo sapiens.
 OS WO200177384-A2.
 PN 18-OCT-2001.
 XX 06-APR-2001; 2001WO-IB000713.
 XX 07-APR-2000; 2000DE-01019173.
 XX (EPIG-) EPIGENOMICS AG.
 PA Olek A, Piepenbrock C, Berlin K;
 XX WPI; 2001-657177/75.
 XX Set of oligonucleotides, useful for diagnosis and cell typing, is
 PT designed to detect single-nucleotide polymorphisms and cytosine
 PT methylation status.
 XX Claim 1; SEQ ID NO 280670; 29pp + Sequence Listing; German.
 XX This invention describes novel oligonucleotide primers or peptide nucleic
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
 CC and cytosine methylation status in chemically pretreated genomic DNA. The
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
 CC range of diseases including immune system, gastrointestinal, respiratory,
 CC central nervous system, cardiovascular and metabolic disorders. The
 CC oligomers are also used for detecting cell type differentiation. ABC00010
 CC -ABC9989, ABF00010-ABF9989, ABH00010-ABH9989 and ABI00010-ABI82073
 CC represent the oligomers described in the invention. NOTE: The sequence
 CC data for this patent did not form part of the invention. NOTE: The sequence
 CC was obtained in electronic format from WIPO at
 CC ftp.wipo.int/pub/published_pct_sequences
 XX SQ Sequence 12 BP; 2 A; 0 C; 2 G; 8 T; 0 U; 0 Other;

	Query Match	12.9%; Score 9.4; DB 1; Length 12;	
	Best Local Similarity	90.9%; Pred. No. 1.2e+03;	
	Matches	10; Conservative 0; Mismatches 1; Indels 0; Gaps 0	
QY	940 TTCAATGGTTT 950		
DB	2 TTAATGGTTT 12		
RESULT 1683			
ABI06346			
ID	ABI06346 standard; DNA; 12 BP.		
XX	AC AC		
XX	ABI06346;		
XX	XX XX		
DT	22-FEB-2002 (first entry)		
XX	XX		
DE	Oligonucleotide primer SEQ ID NO 306319 for detecting SNP TSC0021944.		
XX	XX		
KW	SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;		
KW	peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;		
KW	central nervous system; gastrointestinal, respiratory; immune; metabolic.		
XX	XX		
CS	Homo sapiens.		
XX	XX		
WO	WO200177384-A2.		
PN	XX		
PD	18-OCT-2001.		
PP	06-APR-2001; 2001WO-IB000713.		
XX	XX		
PR	07-APR-2000; 2000DE-01019173.		
XX	XX		
PA	(EPIG-) EPIGENOMICS AG.		
PI	Olek A, Piepenbrock C, Berlin K;		
PT	WPI; 2001-657177/75.		
XX	XX		
Set	of oligonucleotides, useful for diagnosis and cell typing, is		
designed	to detect single-nucleotide polymorphisms and cytosine		
methylation	status.		
XX	XX		
Claim	1; SEQ ID NO 306319; 29pp + Sequence Listing; German.		
XX	XX		
This	invention describes novel oligonucleotide primers or peptide nucleic		
acid	(PNA) oligomers for detecting single nucleotide polymorphisms (SNP)		
and	cytosine methylation status in chemically pretreated genomic DNA. The		
oligonucleotides	are used for diagnosis and/or prognosis of cancer and a		
range	of diseases including immune system, gastrointestinal, respiratory,		
central	nervous system, cardiovascular and metabolic disorders. The		
oligomers	are also used for detecting cell type differentiation. ABC00010		
-ABC99989,	ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073		
represent	the oligomers described in the invention. NOTE: The sequence		
data	for this patent did not form part of the printed specification, but		
was	obtained in electronic format from WIPO at		
ftp.wipo.int/pub/published_pct_sequences			
XX	XX		
Sequence	12 BP; 3 A; 6 C; 0 G; 3 T; 0 U; 0 Other;		
Query Match	12.9%; Score 9.4; DB 1; Length 12;		
Best Local Similarity	90.9%; Pred. No. 1.2e+03;		
Matches	10; Conservative 0; Mismatches 1; Indels 0; Gaps 0		
QY	955 TATCGCTACCA 965		
DB	2 TATCCCTACCA 12		
RESULT 1684			
ABI06717			
ID	ABI06717 standard; DNA; 12 BP.		

Best Local Similarity 90.5%, Fied: NO, 1.2e+03,
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

DE Oligonucleotide primer SEQ ID NO 353162 for detecting SNP TSC0048346.
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
OS Homo sapiens.
XX WO200177384-A2.
PN 18-OCT-2001.
XX 06-APR-2001; 2001WO-IB000713.
PF 07-APR-2000; 2000DE-01019173.
PR (EPIG-) EPIGENOMICS AG.
XX Olek A, Piepenbrock C, Berlin K;
PI WPI; 2001-657177/75.
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX Claim 1; SEQ ID NO 353162; 29pp + Sequence Listing; German.
XX This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC9989, ABF00010-ABF9989, ABH00010-ABH9989 and AB100010-AB182073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX Sequence 12 BP; 4 A; 0 C; 2 G; 6 T; 0 U; 0 Other;
XX This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC9989, ABF00010-ABF9989, ABH00010-ABH9989 and AB100010-AB182073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX Sequence 12 BP; 4 A; 0 C; 2 G; 6 T; 0 U; 0 Other;
SQ Query Match 12.9%; Score 9.4; DB 1; Length 12;
Best Local Similarity 90.9%; Pred. No. 1.2e+03;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
QY 947 GTTTAATGAT 957
DB 1 GTTTAATATAT 11
RESULT 1691
ABI56672/c
ID ABI56672 standard; DNA; 12 BP.
XX ABI56672;
AC ABI56672;
XX 22-FEB-2002 (first entry)
DT Oligonucleotide primer SEQ ID NO 356645 for detecting SNP TSC0050236.
DE SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX Homo sapiens.
OS WO200177384-A2.
PN 18-OCT-2001.
XX 06-APR-2001; 2001WO-IB000713.
PF Oligonucleotide primer SEQ ID NO 353162 for detecting SNP TSC0048346.
DE SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX Homo sapiens.
OS WO200177384-A2.
PN 18-OCT-2001.
XX 06-APR-2001; 2001WO-IB000713.
PF

XX 07-APR-2000; 2000DE-01019173.
PR (EPIG-) EPIGENOMICS AG.
XX Olek A, Piepenbrock C, Berlin K;
PI WPI; 2001-657177/75.
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX Claim 1; SEQ ID NO 356645; 29pp + Sequence Listing; German.
XX This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC9989, ABF00010-ABF9989, ABH00010-ABH9989 and AB100010-AB182073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX Sequence 12 BP; 8 A; 1 C; 0 G; 3 T; 0 U; 0 Other;
XX Query Match 12.9%; Score 9.4; DB 1; Length 12;
Best Local Similarity 90.9%; Pred. No. 1.2e+03;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
QY 943 ATTGTTTAAAT 953
DB 11 ATTGTTTAAAT 1
RESULT 1692
ABI59730
ID ABI59730 standard; DNA; 12 BP.
XX ABI59730;
AC ABI59730;
XX 22-FEB-2002 (first entry)
DT Oligonucleotide primer SEQ ID NO 359703 for detecting SNP TSC0051714.
DE SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX Homo sapiens.
OS WO200177384-A2.
PN 18-OCT-2001.
XX 06-APR-2001; 2001WO-IB000713.
PF Oligonucleotide primer SEQ ID NO 353162 for detecting SNP TSC0048346.
DE SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX Homo sapiens.
OS WO200177384-A2.
PN 18-OCT-2001.
XX 06-APR-2001; 2001WO-IB000713.
PF Oligonucleotide primer SEQ ID NO 353162 for detecting SNP TSC0048346.
DE SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX Homo sapiens.
OS WO200177384-A2.
PN 18-OCT-2001.
XX 06-APR-2001; 2001WO-IB000713.
PF Oligonucleotide primer SEQ ID NO 353162 for detecting SNP TSC0048346.
DE SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX Homo sapiens.
OS WO200177384-A2.
PN 18-OCT-2001.
XX 06-APR-2001; 2001WO-IB000713.
PF Oligonucleotide primer SEQ ID NO 353162 for detecting SNP TSC0048346.
DE SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX Homo sapiens.
OS WO200177384-A2.
PN 18-OCT-2001.
XX 06-APR-2001; 2001WO-IB000713.
PF

```
PS Claim 1; SEQ ID NO 359703; 29pp + Sequence Listing; German.
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 12 BP; 4 A; 0 C; 2 G; 6 T; 0 U; 0 Other;
    Query Match      12.9%; Score 9.4; DB 1; Length 12;
    Best Local Similarity 90.9%; Pred. No. 1.2e+03;
    Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
QY 946 GGTTTAATGTA 956
DB 1 GGTTTAATTA 11
RESULT 1693
ABI77595/C
ID ABI77595 standard; DNA; 12 BP.
XX
AC ABI77595;
XX
DT 22-FEB-2002 (first entry)
XX
DE Oligonucleotide primer SEQ ID NO 377568 for detecting SNP TSC0062396.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
WPI; 2001-657177/75.
XX
Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
PS Claim 1; SEQ ID NO 377568; 29pp + Sequence Listing; German.
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 12 BP; 4 A; 0 C; 2 G; 6 T; 0 U; 0 Other;
    Query Match      12.9%; Score 9.4; DB 1; Length 12;
    Best Local Similarity 90.9%; Pred. No. 1.2e+03;
    Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
QY 946 GGTTTAATGTA 956
DB 1 GGTTTAATTA 11
RESULT 1694
AAN50121/C
ID AAN50121 standard; DNA; 13 BP.
XX
AC AAN50121;
XX
DT 25-MAR-2003 (revised)
DT 17-OCT-1991 (first entry)
XX
DE 5' end of penicillinase gene in plasmid pENX606.
XX
KW Penicillinase; ss.
XX
OS Homo sapiens.
XX
FH Key Location/Qualifiers
FT mat_peptide 2..13
FT /*tag= a
FT /label= N-terminal of penicillinase
XX
PN EP151760-A.
XX
PD 21-AUG-1985.
XX
PF 15-DEC-1984; 84EP-00115551.
XX
PR 06-JAN-1984; 84JP-00001204.
PR 27-MAR-1984; 84JP-00060375.
PR 27-SEP-1984; 84JP-00203772.
XX
PA (TAKE ) TAKEDA CHEM IND LTD.
XX
PI Kikuchi M, Nakahama K, Yoshimura K;
XX
WPI; 1985-204480/34.
XX
P-PSDB; AAP50110.
XX
New DNA comprising promoter and neutral protease gene - useful for
PT transformation of Bacillus strain for extracellular protein prodn.
XX
PS Disclosure; Fig 13; 65pp; English.
XX
CC The sequence represents the 5' end of DNA encoding the human
CC penicillinase gene located downstream from a neutral protease promoter
CC and neutral protease gene in plasmid pENX606. The penicillinase protein
CC is expressed in transformed Bacillus subtilis. (Updated on 25-MAR-2003 to
CC correct PA field.)
XX
SQ Sequence 13 BP; 5 A; 1 C; 5 G; 2 T; 0 U; 0 Other;
    Query Match      12.9%; Score 9.4; DB 1; Length 13;
    Best Local Similarity 90.9%; Pred. No. 1.3e+03;
    Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
QY 926 TTTATCCCTC 936
DB 13 TTTATCCCTC 3
RESULT 1695
```

AAV03420
 ID AAV03420 standard; DNA; 13 BP.
 XX
 AC AAV03420;
 XX
 DT 17-APR-1998 (first entry)
 XX
 DE Enhanced specificity anchor primer 47.
 XX
 KW Enhanced specificity anchor primer; polyA tail;
 KW gene expression difference; cell type; ss.
 XX
 OS Synthetic.
 XX
 PN WO9737045-A1.
 XX
 PD 09-OCT-1997.
 XX
 PF 02-APR-1997; 97WO-US005814.
 XX
 PR 03-APR-1996; 96US-0014666P.
 XX
 PA (JOHU) JOHNSON & JOHNSON CONSUMER PROD.
 XX
 PI Combates N, Pardinas JR, Parimoo S, Prouty SM, Stenn KS;
 XX
 DR WPI; 1997-503123/46.
 XX
 PT Method for comparing mRNA from different nucleic acid samples - by
 PT reverse transcription and amplification using oligo-T primers.
 XX
 PS Disclosure; Fig 4B; 44pp; English.
 XX
 CC Primers AAV03374-421 are enhanced specificity anchor primers that bind to
 CC the polyA tail of mRNA and cDNA. The primers are of the general formula:
 CC T12MNN, where M is A, G or C and N is A, G, C or T. The primers are used
 CC in the method of the invention. This method compares the presence or
 CC level of individual mRNA molecules in at least 2 nucleic acid samples.
 CC The method comprises contacting each of the nucleic acid samples with a
 CC oligodeoxynucleotide primer that hybridises to a first site in mRNAs in
 CC the nucleic acid samples, reverse transcribing the mRNAs to which the
 CC primer hybridises to produce a population of DNA strands that are
 CC complementary to the mRNAs in the 2 samples. The amount of cDNA produced
 CC is quantified. The populations of cDNA are contacted with a second
 CC oligodeoxynucleotide primer (e.g. present primer) that hybridises to a
 CC second site in the cDNA populations, the contact being performed under
 CC conditions in which the second primer hybridises with at least some of
 CC the DNA strands in the 2 populations. Portions of the DNA strands are
 CC amplified to produce a second population of amplification products. The
 CC presence or level of individual amplification products in the first and
 CC second populations of amplification products are compared and
 CC contaminating cDNAs are subtracted from the re-amplified product. The
 CC method can be used for screening differences in gene expression between
 CC various cell types or between cells in different stages of development or
 CC cells under different pharmacological conditions
 XX
 SQ Sequence 13 BP; 0 A; 0 C; 2 G; 11 T; 0 U; 0 Other;
 Query Match 12.9%; Score 9.4; DB 1; Length 13;
 Best Local Similarity 90.9%; Pred. No. 1.3e+03;
 Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
 QY 908 TTTCTTTGCTGT 918
 |||||
 Db 3 TTTTCTTTGCTGT 13
 RESULT 1696
 AAV40929
 ID AAV40929 standard; DNA; 13 BP.
 XX
 AC AAV40929;
 XX
 DT 29-JUN-2000 (first entry)
 XX

25-SEP-1998 (first entry)
 Primer ALL1:417L13 for abnormality detection.
 PCR primer; chromosomal abnormality; abnormality detection; leukaemia;
 lymphoma; carcinoma; adenocarcinoma; sarcoma; glioma; neuroblastoma;
 medullablastoma; malignant melanoma; malignant neoplastic condition; ss.
 Synthetic.
 Homo sapiens.
 WO9824928-A2.
 11-JUN-1998.
 08-DEC-1997; 97WO-DK000556.
 06-DEC-1996; 96DK-00001401.
 (PALL/) PALLISGAARD N.
 Pallisgaard N, Hokland P;
 WPI; 1998-333344/29.
 Detection of chromosomal abnormalities - by subjecting patient sample
 nucleic acids to a multiplex molecular amplification procedure using
 primers specific for characteristic nucleic acid sequence.
 Claim 73; Page 67; 126pp; English.
 This sequence represents a primer used in the method of the invention for
 the detection of the presence or absence of chromosomal abnormalities,
 each abnormality being associated with a condition in a subject and each
 being defined by at least one characteristic nucleic acid sequence. The
 method comprises: (a) obtaining a sample of nucleic acids derived from a
 subject which may harbour one of the chromosomal abnormalities; (b)
 subjecting the sample to a multiplex molecular amplification (MMA)
 procedure, where a number of the characteristic sequences, if present in
 a sufficient amount, will be amplified; (c) retrieving the product(s)
 from step (b), and detecting the presence and/or absence of an amplicon
 characteristic of the abnormal sequences to detect the presence or
 absence of corresponding chromosomal abnormalities; where the MMA
 procedure comprises the use of at least 7 mutually distinct primers (MDP)
 in one single reaction mixture, each of the primers defining an end of at
 least one characteristic nucleic acid sequence, and where at least one of
 the primers defines the first end of at least two characteristic nucleic
 acid sequences, the characteristic nucleic acid sequences each being
 determined in their opposite ends by MDP selected from the remainder of
 the MDP. The methods can be used for detecting chromosomal abnormalities
 associated with diseases including numerous leukaemia's, lymphoma's,
 carcinoma's, adenocarcinoma's, sarcoma's, glioma's, neuroblastoma's,
 medullablastoma, malignant melanoma, and malignant neoplastic conditions
 Sequence 13 BP; 1 A; 2 C; 3 G; 7 T; 0 U; 0 Other;
 Query Match 12.9%; Score 9.4; DB 1; Length 13;
 Best Local Similarity 90.9%; Pred. No. 1.3e+03;
 Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
 QY 913 TTTGGCTTTG 923
 |||||
 Db 1 TTTGGCTCTG 11
 RESULT 1697
 AAA26795
 ID AAA26795 standard; DNA; 13 BP.
 XX
 AC AAA26795;
 XX
 DT 29-JUN-2000 (first entry)
 XX

DE Trichosporon aquatile polynucleotide sequence SEQ ID NO:62.
XX Trichosporon genus microbe; detection; species-specific; diagnosis;
KW Trichosporosis; ss.
XX Trichosporon aquatile.
OS Trichosporon aquatile.
XX JP2000060564-A.
XX 29-FEB-2000.
XX 24-AUG-1998; 98JP-00237060.
XX 24-AUG-1998; 98JP-00237060.
XX (IATR) IATRON LAB INC.
XX WPI; 2000-249679/22.
XX Species-specific detection of a Trichosporon genus microbe species and a
PT new polynucleotide - used for the diagnosis and the treatment of
PT Trichosporosis.
XX Claim 2; Page 40; 47pp; Japanese.
XX The present invention describes a method for the species-specific
CC detection of a Trichosporon genus microbe which includes detecting a
CC polynucleotide specific to the species of a Trichosporon genus microbe.
CC Trichosporon polynucleotides can be used for the diagnosis and treatment
CC of Trichosporosis. The method can distinguish Trichosporosis species to
CC species level rapidly in high precision. AAA26734 to AAA26849 represent
CC polynucleotide sequences from various Trichosporon species, which are
CC used in the exemplification of the present invention
XX Sequence 13 BP; 5 A; 2 C; 2 G; 4 T; 0 U; 0 Other;
SQ Query Match 12.9%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. NO. 1.3e+03;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
QY 942 CATTGGCTTAA 952
Db 1 CATTGGCTTAA 11
RESULT 1698
AAF70056
ID AAF70056 standard; DNA; 13 BP.
AC AAF70056;
XX 18-APR-2001 (first entry)
DE Human TNFRSF11B gene ASO probe, SEQ ID NO: 112.
XX Human; TNFRSF11B; osteoclastogenesis inhibitory factor;
KW single nucleotide polymorphism; SNP; osteoclast recruitment;
KW osteoclast function; osteoporosis; metastatic bone disease;
KW Paget's disease; rheumatoid arthritis; periodontal bone disease; ASO;
KW allele-specific oligonucleotide; probe; ss.
XX Homo sapiens.
OS WO200104137-A1.
XX 18-JAN-2001.
PD 10-JUL-2000; 2000WO-US018803.
XX 09-JUL-1999; 99US-0143020P.
XX (GENA-) GENAISSANCE PHARM INC.
PA

PI Chew A, Denton RR, Duda A, Nandabalan K, Stephens JC;
XX WPI; 2001-147175/15.
XX Human Osteoclastogenesis Inhibitory Factor nucleotides, comprising single
PT nucleotide polymorphisms, useful for studying e.g. osteoporosis, Paget's
PT disease and rheumatoid arthritis.
XX Claim 15; Page 23; 114pp; English.
XX The present sequence is a probe used to detect polymorphisms in the human
CC osteoclastogenesis inhibitory factor (TNFRSF11B). Polynucleotides
CC comprising one or more of twenty four novel single nucleotide
CC polymorphisms in the TNFRSF11B gene have been identified. TNFRSF11B
CC regulate osteoclast recruitment and function. An understanding of
CC variations in the gene should thus be useful in developing new therapies
CC for metabolic disorders caused by abnormal osteoclast recruitment and
CC function such as osteoporosis, metastatic bone disease, Paget's disease,
CC rheumatoid arthritis and periodontal bone disease
XX Sequence 13 BP; 1 A; 4 C; 2 G; 6 T; 0 U; 0 Other;
SQ Query Match 12.9%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. NO. 1.3e+03;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
QY 923 GCCTTTTATCC 933
Db 2 GCCTTTTATCC 12
RESULT 1699
ABC46269
ID ABC46269 standard; DNA; 13 BP.
XX ABC46269;
AC ABC46269;
XX 21-FEB-2002 (first entry)
DE Oligonucleotide SEQ ID NO 46286 for detecting SNP TSC0013393.
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX Homo sapiens.
OS WC200177384-A2.
XX WC200177384-A2.
XX 18-OCT-2001.
XX 06-APR-2001; 2001WO-IB000713.
XX 07-APR-2000; 2000DE-01019173.
XX (EPIG-) EPIGENOMICS AG.
XX Olek A, Piepenbrock C, Berlin K;
XX WPI; 2001-657177/75.
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX Claim 1; SEQ ID NO 46286; 29pp + Sequence Listing; German.
XX This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The

CC oligomers are also used for detecting cell type differentiation. ABC00010
 CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
 CC represent the oligomers described in the invention. NOTE: The sequence
 CC data for this patent did not form part of the printed specification, but
 CC was obtained in electronic format from WIPO at
 CC ftp.wipo.int/pub/published_pct_sequences
 XX
 SQ Sequence 13 BP; 4 A; 3 C; 1 G; 4 T; 0 U; 1 Other;

Query Match 12.9%; Score 9.4; DB 1; Length 13;
 Best Local Similarity 90.9%; Pred. No. 1.3e+03;
 Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 955 TATCGCTACCA 965
 DB 3 TATCGCTATCA 13
 |||||

RESULT 1700
 ABC21592/c
 ID ABC21592 standard; DNA; 13 BP.

XX
 AC ABC21592;

XX 20-FEB-2002 (first entry)

DE Oligonucleotide SEQ ID NO 21609 for detecting SNP TSC0004336.

XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
 KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
 KW central nervous system; gastrointestinal; respiratory; immune; metabolic.

XX Homo sapiens.

XX WO200177384-A2.

XX 18-OCT-2001.

XX 06-APR-2001; 2001WO-IB000713.

XX 07-APR-2000; 2000DE-01019173.

XX (EPIG-) EPIGENOMICS AG.

XX Olek A, Piepenbrock C, Berlin K;

XX WPI; 2001-657177/75.

XX Set of oligonucleotides, useful for diagnosis and cell typing, is
 PT designed to detect single-nucleotide polymorphisms and cytosine
 PT methylation status.

XX Claim 1; SEQ ID NO 21609; 29pp + Sequence Listing; German.

XX This invention describes novel oligonucleotide primers or peptide nucleic
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
 CC and cytosine methylation status in chemically pretreated genomic DNA. The
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
 CC range of diseases including immune system, gastrointestinal, respiratory,
 CC central nervous system, cardiovascular and metabolic disorders. The
 CC oligomers are also used for detecting cell type differentiation. ABC00010
 CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
 CC represent the oligomers described in the invention. NOTE: The sequence
 CC data for this patent did not form part of the printed specification, but
 CC was obtained in electronic format from WIPO at
 CC ftp.wipo.int/pub/published_pct_sequences
 XX

SQ Sequence 13 BP; 7 A; 0 C; 3 G; 3 T; 0 U; 0 Other;

Query Match 12.9%; Score 9.4; DB 1; Length 13;
 Best Local Similarity 90.9%; Pred. No. 1.3e+03;
 Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 905 TCATTTCITTT 915
 DB 13 TCATTTCITTT 3
 |||||

RESULT 1701
 ABC23945/c

ID ABC23945 standard; DNA; 13 BP.

XX ABC23945;

XX 20-FEB-2002 (first entry)

DE Oligonucleotide SEQ ID NO 23962 for detecting SNP TSC0005553.

XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
 KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
 KW central nervous system; gastrointestinal; respiratory; immune; metabolic.

XX Homo sapiens.

XX WO200177384-A2.

XX 18-OCT-2001.

XX 06-APR-2001; 2001WO-IB000713.

XX 07-APR-2000; 2000DE-01019173.

XX (EPIG-) EPIGENOMICS AG.

XX Olek A, Piepenbrock C, Berlin K;

XX WPI; 2001-657177/75.

XX Set of oligonucleotides, useful for diagnosis and cell typing, is
 PT designed to detect single-nucleotide polymorphisms and cytosine
 PT methylation status.

XX Claim 1; SEQ ID NO 23962; 29pp + Sequence Listing; German.

XX This invention describes novel oligonucleotide primers or peptide nucleic
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
 CC and cytosine methylation status in chemically pretreated genomic DNA. The
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
 CC range of diseases including immune system, gastrointestinal, respiratory,
 CC central nervous system, cardiovascular and metabolic disorders. The
 CC oligomers are also used for detecting cell type differentiation. ABC00010
 CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
 CC represent the oligomers described in the invention. NOTE: The sequence
 CC data for this patent did not form part of the printed specification, but
 CC was obtained in electronic format from WIPO at
 CC ftp.wipo.int/pub/published_pct_sequences
 XX

SQ Sequence 13 BP; 8 A; 3 C; 0 G; 1 T; 0 U; 1 Other;

Query Match 12.9%; Score 9.4; DB 1; Length 13;
 Best Local Similarity 76.9%; Pred. No. 1.3e+03;
 Matches 10; Conservative 1; Mismatches 2; Indels 0; Gaps 0;

QY 907 ATTTCCTTGTC 919
 DB 13 ATTTCCTTGTC 1
 |||||

RESULT 1702
 ABC49345/c

ID ABC49345 standard; DNA; 13 BP.

XX ABC49345;

XX 21-FEB-2002 (first entry)

DE Oligonucleotide SEQ ID NO 49362 for detecting SNP TSC0013972.
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
XX WO200177384-A2.
XX
PD 18-OCT-2001.
XX
XX 06-APR-2001; 2001WO-IB000713.
PF
XX 07-APR-2000; 2000DE-01019173.
XX
XX (EPIG-) EPIGENOMICS AG.
XX
XX Olek A, Piepenbrock C, Berlin K;
XX
XX WPI; 2001-657177/75.
XX
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
XX Claim 1; SEQ ID NO 49362; 29pp + Sequence Listing; German.
XX
XX This invention describes novel oligonucleotide primers or peptide nucleic
XX acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
XX and cytosine methylation status in chemically pretreated genomic DNA. The
XX oligonucleotides are used for diagnosis and/or prognosis of cancer and a
XX range of diseases including immune system, gastrointestinal, respiratory,
XX central nervous system, cardiovascular and metabolic disorders. The
XX oligomers are also used for detecting cell type differentiation. ABC00010
XX -ABF9989, ABF00010-ABF9989, ABH00010-ABH9989 and ABH00010-ABH982073
XX represent the oligomers described in the invention. NOTE: The sequence
XX data for this patent did not form part of the printed specification, but
XX was obtained in electronic format from WIPO at
XX ftp.wipo.int/pub/published_pct_sequences
XX
XX Sequence 13 BP; 8 A; 3 C; 0 G; 1 T; 0 U; 1 Other;
XX
XX Query Match 12.9%; Score 9.4; DB 1; Length 13;
XX Best Local Similarity 90.9%; Pred. No. 1.3e+03;
XX Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 913 TTGGTCTTTG 923
DB 13 TTGGTCTTTG 3

RESULT 1703
ABC51037/C
ID ABC51037 standard; DNA; 13 BP.
XX
XX ABC51037;
XX
XX 21-FEB-2002 (first entry)
XX
XX Oligonucleotide SEQ ID NO 51054 for detecting SNP TSC0014278.
XX
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
XX Homo sapiens.
XX
XX WO200177384-A2.
XX
XX 18-OCT-2001.
XX
XX 06-APR-2001; 2001WO-IB000713.
XX
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
XX Claim 1; SEQ ID NO 51054; 29pp + Sequence Listing; German.
XX
XX This invention describes novel oligonucleotide primers or peptide nucleic
XX acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
XX and cytosine methylation status in chemically pretreated genomic DNA. The
XX oligonucleotides are used for diagnosis and/or prognosis of cancer and a
XX range of diseases including immune system, gastrointestinal, respiratory,
XX central nervous system, cardiovascular and metabolic disorders. The
XX oligomers are also used for detecting cell type differentiation. ABC00010
XX -ABF9989, ABF00010-ABF9989, ABH00010-ABH9989 and ABH00010-ABH982073
XX represent the oligomers described in the invention. NOTE: The sequence
XX data for this patent did not form part of the printed specification, but
XX was obtained in electronic format from WIPO at
XX ftp.wipo.int/pub/published_pct_sequences
XX
XX Sequence 13 BP; 8 A; 3 C; 0 G; 1 T; 0 U; 1 Other;
XX
XX Query Match 12.9%; Score 9.4; DB 1; Length 13;
XX Best Local Similarity 90.9%; Pred. No. 1.3e+03;
XX Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 913 TTGGTCTTTG 923
DB 13 TTGGTCTTTG 3

RESULT 1703
ABC51037/C
ID ABC51037 standard; DNA; 13 BP.
XX
XX ABC51037;
XX
XX 21-FEB-2002 (first entry)
XX
XX Oligonucleotide SEQ ID NO 51054 for detecting SNP TSC0014278.
XX
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
XX Homo sapiens.
XX
XX WO200177384-A2.
XX
XX 18-OCT-2001.
XX
XX 06-APR-2001; 2001WO-IB000713.
XX

XX 07-APR-2000; 2000DE-01019173.
XX
XX (EPIG-) EPIGENOMICS AG.
XX
XX Olek A, Piepenbrock C, Berlin K;
XX
XX WPI; 2001-657177/75.
XX
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
XX Claim 1; SEQ ID NO 51054; 29pp + Sequence Listing; German.
XX
XX This invention describes novel oligonucleotide primers or peptide nucleic
XX acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
XX and cytosine methylation status in chemically pretreated genomic DNA. The
XX oligonucleotides are used for diagnosis and/or prognosis of cancer and a
XX range of diseases including immune system, gastrointestinal, respiratory,
XX central nervous system, cardiovascular and metabolic disorders. The
XX oligomers are also used for detecting cell type differentiation. ABC00010
XX -ABF9989, ABF00010-ABF9989, ABH00010-ABH9989 and ABH00010-ABH982073
XX represent the oligomers described in the invention. NOTE: The sequence
XX data for this patent did not form part of the printed specification, but
XX was obtained in electronic format from WIPO at
XX ftp.wipo.int/pub/published_pct_sequences
XX
XX Sequence 13 BP; 9 A; 3 C; 0 G; 1 T; 0 U; 0 Other;
XX
XX Query Match 12.9%; Score 9.4; DB 1; Length 13;
XX Best Local Similarity 90.9%; Pred. No. 1.3e+03;
XX Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 944 TTGGTTTAAAG 954
DB 11 TTGGTTTAAAG 1

RESULT 1704
ABC51407/C
ID ABC51407 standard; DNA; 13 BP.
XX
XX ABC51407;
XX
XX 21-FEB-2002 (first entry)
XX
XX Oligonucleotide SEQ ID NO 51424 for detecting SNP TSC0014354.
XX
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
XX Homo sapiens.
XX
XX WO200177384-A2.
XX
XX 18-OCT-2001.
XX
XX 06-APR-2001; 2001WO-IB000713.
XX
XX 07-APR-2000; 2000DE-01019173.
XX
XX (EPIG-) EPIGENOMICS AG.
XX
XX Olek A, Piepenbrock C, Berlin K;
XX
XX WPI; 2001-657177/75.
XX
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX

PS Claim 1; SEQ ID NO 51424; 29pp + Sequence Listing; German.
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 13 BP; 6 A; 5 C; 0 G; 2 T; 0 U; 0 Other;
Query Match 12.9%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 1.3e+03;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
QY 943 ATTGGTTTAAAT 953
Db 11 ATTGGTTTAAAT 1
RESULT 1705
ABCC2846/c
ID ABC02846 standard; DNA; 13 BP.
XX AC ABC02846;
XX AC ABC02846;
XX 20-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 2837 for detecting SNP TSC0001102.
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX Homo sapiens.
XX WO200177384-A2.
XX 18-OCT-2001.
XX 06-APR-2001; 2001WO-IB000713.
XX 07-APR-2000; 2000DE-01019173.
XX (EPIG-) EPIGENOMICS AG.
XX Olek A, Piepenbrock C, Berlin K;
XX WPI; 2001-657177/75.
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
XX designed to detect single-nucleotide polymorphisms and cytosine
XX methylation status.
XX Claim 1; SEQ ID NO 2837; 29pp + Sequence Listing; German.
XX This invention describes novel oligonucleotide primers or peptide nucleic
XX acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
XX and cytosine methylation status in chemically pretreated genomic DNA. The
XX oligonucleotides are used for diagnosis and/or prognosis of cancer and a
XX range of diseases including immune system, gastrointestinal, respiratory,
XX central nervous system, cardiovascular and metabolic disorders. The
XX oligomers are also used for detecting cell type differentiation. ABC00010
XX -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
XX represent the oligomers described in the invention. NOTE: The sequence
XX data for this patent did not form part of the printed specification, but
XX was obtained in electronic format from WIPO at
XX ftp.wipo.int/pub/published_pct_sequences

CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 13 BP; 8 A; 1 C; 3 G; 1 T; 0 U; 0 Other;
Query Match 12.9%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 1.3e+03;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
QY 911 TCTTTCGTCTT 921
Db 13 TCTTTCGTCTT 3
RESULT 1706
ABF03835/c
ID ABF03835 standard; DNA; 13 BP.
XX AC ABF03835;
XX AC ABF03835;
XX 21-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 103832 for detecting SNP TSC0025972.
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX Homo sapiens.
XX WO200177384-A2.
XX 18-OCT-2001.
XX 06-APR-2001; 2001WO-IB000713.
XX 07-APR-2000; 2000DE-01019173.
XX (EPIG-) EPIGENOMICS AG.
XX Olek A, Piepenbrock C, Berlin K;
XX WPI; 2001-657177/75.
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
XX designed to detect single-nucleotide polymorphisms and cytosine
XX methylation status.
XX Claim 1; SEQ ID NO 103832; 29pp + Sequence Listing; German.
XX This invention describes novel oligonucleotide primers or peptide nucleic
XX acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
XX and cytosine methylation status in chemically pretreated genomic DNA. The
XX oligonucleotides are used for diagnosis and/or prognosis of cancer and a
XX range of diseases including immune system, gastrointestinal, respiratory,
XX central nervous system, cardiovascular and metabolic disorders. The
XX oligomers are also used for detecting cell type differentiation. ABC00010
XX -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
XX represent the oligomers described in the invention. NOTE: The sequence
XX data for this patent did not form part of the printed specification, but
XX was obtained in electronic format from WIPO at
XX ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 13 BP; 8 A; 4 C; 1 G; 0 T; 0 U; 0 Other;
Query Match 12.9%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 1.3e+03;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
QY 909 TTTCTTTCGTCTC 919
Db 13 TTTTTCGTCTC 3

```
RESULT 1707
ABC54442
ID ABC54442 standard; DNA; 13 BP.
XX AC
XX ABC54442;
XX DT
XX 21-FEB-2002 (first entry)
XX DE Oligonucleotide SEQ ID NO 54459 for detecting SNP TSC0014930.
XX KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX OS
XX Homo sapiens.
XX PN WO200177384-A2.
XX PD 18-OCT-2001.
XX PF 06-APR-2001; 2001WO-IB000713.
XX PR 07-APR-2000; 2000DE-01019173.
XX PA (EPiG-) EPIGENOMICS AG.
XX PI Olek A, Piepenbrock C, Berlin K;
XX DR WPI; 2001-657177/75.
XX XX
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
XX designed to detect single-nucleotide polymorphisms and cytosine
XX methylation status.
XX PS Claim 1; SEQ ID NO 54459; 29pp + Sequence Listing; German.
XX CC This invention describes novel oligonucleotide primers or peptide nucleic
XX acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
XX and cytosine methylation status in chemically pretreated genomic DNA. The
XX oligonucleotides are used for diagnosis and/or prognosis of cancer and a
XX range of diseases including immune system, gastrointestinal, respiratory,
XX central nervous system, cardiovascular and metabolic disorders. The
XX oligomers are also used for detecting cell type differentiation. ABC00010
XX -ABC9989, ABF00010-ABF9989, ABH00010-ABH9989 and ABI00010-ABI82073
XX represent the oligomers described in the invention. NOTE: The sequence
XX data for this patent did not form part of the printed specification, but
XX was obtained in electronic format from WIPO at
XX ftp.wipo.int/pub/published_pct_sequences
XX SQ Sequence 13 BP; 2 A; 0 C; 2 G; 8 T; 0 U; 1 Other;
XX Query Match 12.9%; Score 9.4; DB 1; Length 13;
XX Best Local Similarity 90.9%; Pred. No. 1.3e+03;
XX Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
OY 947 GTTTAATGTAT 957
DB 1 GTTTAATGTAT 11
RESULT 1708
ABC54910
ID ABC54910 standard; DNA; 13 BP.
XX AC
XX ABC54910;
XX DT
XX 21-FEB-2002 (first entry)
XX DE Oligonucleotide SEQ ID NO 54927 for detecting SNP TSC0015043.
XX KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
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PI Olek A, Piepenbrock C, Berlin K;
 XX WPI; 2001-657177/75.
 XX Set of oligonucleotides, useful for diagnosis and cell typing, is
 PT designed to detect single-nucleotide polymorphisms and cytosine
 PT methylation status.
 XX
 XX Claim 1; SEQ ID NO 5699; 29pp + Sequence Listing; German.
 XX
 CC This invention describes novel oligonucleotide primers or peptide nucleic
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
 CC and cytosine methylation status in chemically pretreated genomic DNA. The
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
 CC range of diseases including immune system, gastrointestinal, respiratory,
 CC central nervous system, cardiovascular and metabolic disorders. The
 CC oligomers are also used for detecting cell type differentiation. ABC00010
 CC -ABC9989, ABF00010-ABF9989, ABH00010-ABH9989 and AB100010-AB182073
 CC represent the oligomers described in the invention. NOTE: The sequence
 CC data for this patent did not form part of the printed specification, but
 CC was obtained in electronic format from WIPO at
 CC ftp.wipo.int/pub/published_pct_sequences
 XX
 XX Sequence 13 BP; 1 A; 0 C; 2 G; 9 T; 0 U; 1 Other;
 Query Match 12.9%; Score 9.4; DB 1; Length 13;
 Best Local Similarity 76.9%; Pred. No. 1.3e+03;
 Matches 10; Conservative 1; Mismatches 2; Indels 0; Gaps 0;
 Qy 909 TTTCTTTGCTCT 921
 Db 1 TTTTCTTGCTAT 13
 RESULT 1710
 ABC34459
 ID ABC34459 standard; DNA; 13 BP.
 XX
 AC ABC34459;
 XX
 DT 20-FEB-2002 (first entry)
 XX
 DE Oligonucleotide SEQ ID NO 34476 for detecting SNP TSC0010991.
 XX
 KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
 KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
 KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
 XX
 OS Homo sapiens.
 XX
 PN WO200177384-A2.
 XX
 PD 18-OCT-2001.
 XX
 PF 06-APR-2001; 2001WO-IB000713.
 XX
 PR 07-APR-2000; 2000DE-01019173.
 XX
 PA (EPIG-) EPIGENOMICS AG.
 XX
 PI Olek A, Piepenbrock C, Berlin K;
 XX
 XX WPI; 2001-657177/75.
 XX
 PT Set of oligonucleotides, useful for diagnosis and cell typing, is
 PT designed to detect single-nucleotide polymorphisms and cytosine
 PT methylation status.
 XX
 XX Claim 1; SEQ ID NO 34476; 29pp + Sequence Listing; German.
 XX
 CC This invention describes novel oligonucleotide primers or peptide nucleic
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
 CC and cytosine methylation status in chemically pretreated genomic DNA. The
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
 CC range of diseases including immune system, gastrointestinal, respiratory,
 CC central nervous system, cardiovascular and metabolic disorders. The
 CC oligomers are also used for detecting cell type differentiation. ABC00010
 CC -ABC9989, ABF00010-ABF9989, ABH00010-ABH9989 and AB100010-AB182073
 CC represent the oligomers described in the invention. NOTE: The sequence
 CC data for this patent did not form part of the printed specification, but
 CC was obtained in electronic format from WIPO at
 CC ftp.wipo.int/pub/published_pct_sequences
 XX
 XX Sequence 13 BP; 1 A; 0 C; 2 G; 9 T; 0 U; 1 Other;
 Query Match 12.9%; Score 9.4; DB 1; Length 13;
 Best Local Similarity 76.9%; Pred. No. 1.3e+03;
 Matches 10; Conservative 1; Mismatches 2; Indels 0; Gaps 0;
 Qy 909 TTTCTTTGCTCT 921
 Db 1 TTTTCTTGCTAT 13
 RESULT 1711
 ABF09662/C
 ID ABF09662 standard; DNA; 13 BP.
 XX
 AC ABF09662;
 XX
 DT 21-FEB-2002 (first entry)
 XX
 DE Oligonucleotide SEQ ID NO 109659 for detecting SNP TSC0027429.
 XX
 KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
 KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
 KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
 XX
 OS Homo sapiens.
 XX
 PN WO200177384-A2.
 XX
 PD 18-OCT-2001.
 XX
 PF 06-APR-2001; 2001WO-IB000713.
 XX
 PR 07-APR-2000; 2000DE-01019173.
 XX
 PA (EPIG-) EPIGENOMICS AG.
 XX
 PI Olek A, Piepenbrock C, Berlin K;
 XX
 XX WPI; 2001-657177/75.
 XX
 PT Set of oligonucleotides, useful for diagnosis and cell typing, is
 PT designed to detect single-nucleotide polymorphisms and cytosine
 PT methylation status.
 XX
 XX Claim 1; SEQ ID NO 109659; 29pp + Sequence Listing; German.
 XX
 CC This invention describes novel oligonucleotide primers or peptide nucleic
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
 CC and cytosine methylation status in chemically pretreated genomic DNA. The
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
 CC range of diseases including immune system, gastrointestinal, respiratory,
 CC central nervous system, cardiovascular and metabolic disorders. The
 CC oligomers are also used for detecting cell type differentiation. ABC00010
 CC -ABC9989, ABF00010-ABF9989, ABH00010-ABH9989 and AB100010-AB182073
 CC represent the oligomers described in the invention. NOTE: The sequence
 CC data for this patent did not form part of the printed specification, but
 CC was obtained in electronic format from WIPO at
 CC ftp.wipo.int/pub/published_pct_sequences
 XX
 XX Sequence 13 BP; 5 A; 0 C; 6 G; 2 T; 0 U; 0 Other;
 Query Match 12.9%; Score 9.4; DB 1; Length 13;
 Best Local Similarity 90.9%; Pred. No. 1.3e+03;
 Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
 Qy 905 TCATTTTCTTT 915
 Db 2 TCTTTTCTTT 12
 CC
 CC range of diseases including immune system, gastrointestinal, respiratory,
 CC central nervous system, cardiovascular and metabolic disorders. The
 CC oligomers are also used for detecting cell type differentiation. ABC00010
 CC -ABC9989, ABF00010-ABF9989, ABH00010-ABH9989 and AB100010-AB182073
 CC represent the oligomers described in the invention. NOTE: The sequence
 CC data for this patent did not form part of the printed specification, but
 CC was obtained in electronic format from WIPO at
 CC ftp.wipo.int/pub/published_pct_sequences
 XX
 XX Sequence 13 BP; 0 A; 2 C; 0 G; 11 T; 0 U; 0 Other;
 Query Match 12.9%; Score 9.4; DB 1; Length 13;
 Best Local Similarity 90.9%; Pred. No. 1.3e+03;
 Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
 Qy 905 TCATTTTCTTT 915
 Db 2 TCTTTTCTTT 12

```
Best Local Similarity 90.9%; Pred. No. 1.3e+03;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 933 CCTCCTCTTCA 943
Db 11 CCTCCTCTTAA 1

RESULT 1712
ABC64622
ID ABC64622 standard; DNA; 13 BP.
AC ABC64622;
XX
XX 21-FEB-2002 (first entry)
XX
XX Oligonucleotide SEQ ID NO 64639 for detecting SNP TSC0017049.
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX Homo sapiens.
XX WO200177384-A2.
XX
XX 18-OCT-2001.
XX
XX 06-APR-2001; 2001WO-IB0000713.
XX
XX 07-APR-2000; 2000DE-01019173.
XX (EPiG-) EPIGENOMICS AG.
XX Olek A, Piepenbrock C, Berlin K;
XX WPI; 2001-657177/75.
XX
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
XX designed to detect single-nucleotide polymorphisms and cytosine
XX methylation status.
XX Claim 1; SEQ ID NO 64639; 29pp + Sequence Listing; German.
XX
XX This invention describes novel oligonucleotide primers or peptide nucleic
XX acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
XX and cytosine methylation status in chemically pretreated genomic DNA. The
XX oligonucleotides are used for diagnosis and/or prognosis of cancer and a
XX range of diseases including immune system, gastrointestinal, respiratory,
XX central nervous system, cardiovascular and metabolic disorders. The
XX oligomers are also used for detecting cell type differentiation. ABC00010
XX -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
XX represent the oligomers described in the invention. NOTE: The sequence
XX data for this patent did not form part of the printed specification, but
XX was obtained in electronic format from WIPO at
XX ftp.wipo.int/pub/published_pct_sequences
XX
XX Sequence 13 BP; 0 A; 0 C; 2 G; 11 T; 0 U; 0 Other;
XX
XX This invention describes novel oligonucleotide primers or peptide nucleic
XX acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
XX and cytosine methylation status in chemically pretreated genomic DNA. The
XX oligonucleotides are used for diagnosis and/or prognosis of cancer and a
XX range of diseases including immune system, gastrointestinal, respiratory,
XX central nervous system, cardiovascular and metabolic disorders. The
XX oligomers are also used for detecting cell type differentiation. ABC00010
XX -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
XX represent the oligomers described in the invention. NOTE: The sequence
XX data for this patent did not form part of the printed specification, but
XX was obtained in electronic format from WIPO at
XX ftp.wipo.int/pub/published_pct_sequences
XX
XX Query Match 12.9%; Score 9.4; DB 1; Length 13;
XX Best Local Similarity 90.9%; Pred. No. 1.3e+03;
XX Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 908 TTTTCTTTGGT 918
Db 2 TTTTCTTTGGT 12

RESULT 1713
ABC16200
ID ABC16200 standard; DNA; 13 BP.
XX
XX ABC16200;
XX
```


CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences

XX SQ Sequence 13 BP; 8 A; 2 C; 0 G; 3 T; 0 U; 0 Other;
Query Match 12.9%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 1.3e+03;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

OY 947 GTTAAATGAT 957

Db 12 GTTAAATGTT 2
|||||

RESULT 1717

ABF28734

ID ABF28734 standard; DNA; 13 BP.

XX AC

ABF28734;

XX DT

21-FEB-2002 (first entry)

XX DE

Oligonucleotide SEQ ID NO 128731 for detecting SNP TSC0032227.

XX SN;

XX single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX central nervous system; gastrointestinal; respiratory; immune; metabolic.

XX OS

Homo sapiens.

XX FN

WO200177384-A2.

XX PD

18-OCT-2001.

XX PF

06-APR-2001; 2001WO-IB000713.

XX PR

07-APR-2000; 2000DE-01019173.

XX (EPIG-) EPIGENOMICS AG.

XX Olek A, Piepenbrock C, Berlin K;

XX WPI; 2001-657177/75.

XX Set of oligonucleotides, useful for diagnosis and cell typing, is

XX designed to detect single-nucleotide polymorphisms and cytosine

XX methylation status.

XX Claim 1; SEQ ID NO 128731; 29pp + Sequence Listing; German.

XX This invention describes novel oligonucleotide primers or peptide nucleic
XX acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
XX and cytosine methylation status in chemically pretreated genomic DNA. The
XX oligonucleotides are used for diagnosis and/or prognosis of cancer and a
XX range of diseases including immune system, gastrointestinal, respiratory,
XX central nervous system, cardiovascular and metabolic disorders. The
XX oligomers are also used for detecting cell type differentiation. ABC00010
XX -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and AB100010-AB182073
XX represent the oligomers described in the invention. NOTE: The sequence
XX data for this patent did not form part of the printed specification, but
XX was obtained in electronic format from WIPO at
XX ftp.wipo.int/pub/published_pct_sequences

XX Query Match 12.9%; Score 9.4; DB 1; Length 13;

XX Best Local Similarity 76.9%; Pred. No. 1.3e+03;

XX Matches 10; Conservative 1; Mismatches 2; Indels 0; Gaps 0;

OY 920 TTGCTTTTATC 932

|||||

|||||

Db 1 TTTGTGTTTATY 13

RESULT 1718

ABF32543

ID ABF32543 standard; DNA; 13 BP.

XX AC

ABF32543;

XX DT

21-FEB-2002 (first entry)

XX DE

Oligonucleotide SEQ ID NO 132540 for detecting SNP TSC0033059.

XX SN;

XX single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX central nervous system; gastrointestinal; respiratory; immune; metabolic.

XX OS

Homo sapiens.

XX FN

WO200177384-A2.

XX PD

18-OCT-2001.

XX PF

06-APR-2001; 2001WO-IB000713.

XX PR

07-APR-2000; 2000DE-01019173.

XX (EPIG-) EPIGENOMICS AG.

XX Olek A, Piepenbrock C, Berlin K;

XX WPI; 2001-657177/75.

XX Set of oligonucleotides, useful for diagnosis and cell typing, is

XX designed to detect single-nucleotide polymorphisms and cytosine

XX methylation status.

XX Claim 1; SEQ ID NO 132540; 29pp + Sequence Listing; German.

XX This invention describes novel oligonucleotide primers or peptide nucleic

XX acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
XX and cytosine methylation status in chemically pretreated genomic DNA. The
XX oligonucleotides are used for diagnosis and/or prognosis of cancer and a
XX range of diseases including immune system, gastrointestinal, respiratory,
XX central nervous system, cardiovascular and metabolic disorders. The
XX oligomers are also used for detecting cell type differentiation. ABC00010
XX -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and AB100010-AB182073
XX represent the oligomers described in the invention. NOTE: The sequence
XX data for this patent did not form part of the printed specification, but
XX was obtained in electronic format from WIPO at
XX ftp.wipo.int/pub/published_pct_sequences

XX Query Match 12.9%; Score 9.4; DB 1; Length 13;

XX Best Local Similarity 90.9%; Pred. No. 1.3e+03;

XX Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

OY 932 CCTCTCTCTTC 942

|||||

|||||

1 CCTCTCTCTTC 11

RESULT 1719

ABF42384/C

ID ABF42384 standard; DNA; 13 BP.

XX AC

ABF42384;

XX DT

21-FEB-2002 (first entry)

XX DE

Oligonucleotide SEQ ID NO 142381 for detecting SNP TSC0035690.

XX

KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
 KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
 KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
 OS Homo sapiens.
 XX WO200177384-A2.
 XX 18-OCT-2001.
 XX 06-APR-2001; 2001WO-IB000713.
 XX 07-APR-2000; 2000DE-01019173.
 XX (EPIG-) EPIGENOMICS AG.
 XX Olek A, Piepenbrock C, Berlin K;
 XX WPI; 2001-657177/75.
 XX Set of oligonucleotides, useful for diagnosis and cell typing, is
 PT designed to detect single-nucleotide polymorphisms and cytosine
 PT methylation status.
 XX Claim 1; SEQ ID NO 142381; 29pp + Sequence Listing; German.
 XX This invention describes novel oligonucleotide primers or peptide nucleic
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
 CC and cytosine methylation status in chemically pretreated genomic DNA. The
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
 CC range of diseases including immune system, gastrointestinal, respiratory,
 CC central nervous system, cardiovascular and metabolic disorders. The
 CC oligomers are also used for detecting cell type differentiation. ABC00010
 CC -ABC99989, ABP0010-ABF99989, ABH0010-ABH99989 and ABI0010-ABI82073
 CC represent the oligomers described in the invention. NOTE: The sequence
 CC data for this patent did not form part of the printed specification, but
 CC was obtained in electronic format from WIPO at
 CC ftp.wipo.int/pub/published_pct_sequences
 XX Sequence 13 BP; 8 A; 0 C; 4 G; 1 T; 0 U; 0 Other;
 XX Query Match 12.9%; Score 9.4; DB 1; Length 13;
 XX Best Local Similarity 90.9%; Pred. NO. 1.3e+03;
 XX Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
 QY 905 TCATTTTCTTT 915
 DB 13 TCATTTCTTT 3
 RESULT 1720
 ID ABF73552/C
 ID ABF73552 standard; DNA; 13 BP.
 AC ABF73552;
 XX 22-FEB-2002 (first entry)
 DE Oligonucleotide SEQ ID NO 173549 for detecting SNP TSC0006326.
 XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
 KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
 KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
 OS Homo sapiens.
 XX WO200177384-A2.
 XX 18-OCT-2001.
 XX 06-APR-2001; 2001WO-IB000713.
 XX 07-APR-2000; 2000DE-01019173.
 XX (EPIG-) EPIGENOMICS AG.
 XX Olek A, Piepenbrock C, Berlin K;
 XX WPI; 2001-657177/75.
 XX Set of oligonucleotides, useful for diagnosis and cell typing, is
 PT designed to detect single-nucleotide polymorphisms and cytosine
 PT methylation status.
 XX Claim 1; SEQ ID NO 149159; 29pp + Sequence Listing; German.

XX (EPIG-) EPIGENOMICS AG.
 XX Olek A, Piepenbrock C, Berlin K;
 XX WPI; 2001-657177/75.
 XX Set of oligonucleotides, useful for diagnosis and cell typing, is
 PT designed to detect single-nucleotide polymorphisms and cytosine
 PT methylation status.
 XX Claim 1; SEQ ID NO 173549; 29pp + Sequence Listing; German.
 XX This invention describes novel oligonucleotide primers or peptide nucleic
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
 CC and cytosine methylation status in chemically pretreated genomic DNA. The
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
 CC range of diseases including immune system, gastrointestinal, respiratory,
 CC central nervous system, cardiovascular and metabolic disorders. The
 CC oligomers are also used for detecting cell type differentiation. ABC00010
 CC -ABC99989, ABP0010-ABF99989, ABH0010-ABH99989 and ABI0010-ABI82073
 CC represent the oligomers described in the invention. NOTE: The sequence
 CC data for this patent did not form part of the printed specification, but
 CC was obtained in electronic format from WIPO at
 CC ftp.wipo.int/pub/published_pct_sequences
 XX Sequence 13 BP; 6 A; 0 C; 4 G; 3 T; 0 U; 0 Other;
 XX Query Match 12.9%; Score 9.4; DB 1; Length 13;
 XX Best Local Similarity 90.9%; Pred. NO. 1.3e+03;
 XX Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
 QY 934 CTCCTCTTCAT 944
 DB 12 CTCCTCTTCAT 2
 RESULT 1721
 ID ABF49162
 ID ABF49162 standard; DNA; 13 BP.
 AC ABF49162;
 XX 21-FEB-2002 (first entry)
 DE Oligonucleotide SEQ ID NO 149159 for detecting SNP TSC0037626.
 XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
 KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
 KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
 OS Homo sapiens.
 XX WO200177384-A2.
 XX 18-OCT-2001.
 XX 06-APR-2001; 2001WO-IB000713.
 XX 07-APR-2000; 2000DE-01019173.
 XX (EPIG-) EPIGENOMICS AG.
 XX Olek A, Piepenbrock C, Berlin K;
 XX WPI; 2001-657177/75.
 XX Set of oligonucleotides, useful for diagnosis and cell typing, is
 PT designed to detect single-nucleotide polymorphisms and cytosine
 PT methylation status.
 XX Claim 1; SEQ ID NO 149159; 29pp + Sequence Listing; German.

ID ABF75595 standard; DNA; 13 BP.
 XX AC ABF75595;
 XX DT 22-FEB-2002 (first entry)
 XX DE Oligonucleotide SEQ ID NO 175592 for detecting SNP TSC0004550.
 XX KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
 XX KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
 XX KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
 XX OS Homo sapiens.
 XX PN WO200177384-A2.
 XX PD 18-OCT-2001.
 XX PF 06-APR-2001; 2001WO-IB000713.
 XX PR 07-APR-2000; 2000DE-01019173.
 XX PA (EPIG-) EPIGENOMICS AG.
 XX PI Olek A, Piepenbrock C, Berlin K;
 XX DR WPI; 2001-657177/75.
 XX DT Set of oligonucleotides, useful for diagnosis and cell typing, is
 PT designed to detect single-nucleotide polymorphisms and cytosine
 PT methylation status.
 XX CS Claim 1; SEQ ID NO 175592; 29pp + Sequence Listing; German.
 XX CC This invention describes novel oligonucleotide primers or peptide nucleic
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
 CC and cytosine methylation status in chemically pretreated genomic DNA. The
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
 CC range of diseases including immune system, gastrointestinal, respiratory,
 CC central nervous system, cardiovascular and metabolic disorders. The
 CC oligomers are also used for detecting cell type differentiation. ABC00010
 CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
 CC represent the oligomers described in the invention. NOTE: The sequence
 CC data for this patent did not form part of the printed specification, but
 CC was obtained in electronic format from WIPO at
 CC ftp.wipo.int/pub/published_pct_sequences
 XX SQ Sequence 13 BP; 9 A; 2 C; 0 G; 2 T; 0 U; 0 Other;
 XX CC Query Match 12.9%; Score 9.4; DB 1; Length 13;
 CC Best Local Similarity 90.9%; Pred. No. 1.3e+03;
 CC Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
 QY 908 TTTTCTTGGT 918
 DB 12 TTTTATTGGT 2
 RESULT 1725
 ABH26156/c
 ID ABH26156 standard; DNA; 13 BP.
 XX AC ABH26156;
 XX DT 22-FEB-2002 (first entry)
 XX DE Oligonucleotide SEQ ID NO 226133 for detecting SNP TSC0055119.
 XX KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
 XX KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
 XX KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
 XX OS Homo sapiens.

XX WO200177384-A2.
 XX PD 18-OCT-2001.
 XX PF 06-APR-2001; 2001WO-IB000713.
 XX PR 07-APR-2000; 2000DE-01019173.
 XX PA (EPIG-) EPIGENOMICS AG.
 XX PI Olek A, Piepenbrock C, Berlin K;
 XX DR WPI; 2001-657177/75.
 XX DT Set of oligonucleotides, useful for diagnosis and cell typing, is
 PT designed to detect single-nucleotide polymorphisms and cytosine
 PT methylation status.
 XX CS Claim 1; SEQ ID NO 226133; 29pp + Sequence Listing; German.
 XX CC This invention describes novel oligonucleotide primers or peptide nucleic
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
 CC and cytosine methylation status in chemically pretreated genomic DNA. The
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
 CC range of diseases including immune system, gastrointestinal, respiratory,
 CC central nervous system, cardiovascular and metabolic disorders. The
 CC oligomers are also used for detecting cell type differentiation. ABC00010
 CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
 CC represent the oligomers described in the invention. NOTE: The sequence
 CC data for this patent did not form part of the printed specification, but
 CC was obtained in electronic format from WIPO at
 CC ftp.wipo.int/pub/published_pct_sequences
 XX SQ Sequence 13 BP; 5 A; 0 C; 6 G; 2 T; 0 U; 0 Other;
 XX CC Query Match 12.9%; Score 9.4; DB 1; Length 13;
 CC Best Local Similarity 90.9%; Pred. No. 1.3e+03;
 CC Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
 QY 924 CCTTTATCCC 934
 DB 13 CCATTATCCC 3
 RESULT 1726
 ABH03114
 ID ABH03114 standard; DNA; 13 BP.
 XX AC ABH03114;
 XX DT 22-FEB-2002 (first entry)
 XX DE Oligonucleotide SEQ ID NO 203091 for detecting SNP TSC0043880.
 XX KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
 XX KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
 XX KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
 XX OS Homo sapiens.
 XX PN WO200177384-A2.
 XX PD 18-OCT-2001.
 XX PF 06-APR-2001; 2001WO-IB000713.
 XX PR 07-APR-2000; 2000DE-01019173.
 XX PA (EPIG-) EPIGENOMICS AG.
 XX PI Olek A, Piepenbrock C, Berlin K;

DR WPI; 2001-657177/75.
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
XX Claim 1; SEQ ID NO 203091; 29pp + Sequence Listing; German.
XX
XX This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
XX Query Match 12.9%; Score 9.4; DB 1; Length 13;
SQ Sequence 13 BP; 2 A; 0 C; 2 G; 8 T; 0 U; 1 Other;
Best Local Similarity 76.9%; Pred. No. 1.3e+03;
Matches 10; Conservative 1; Mismatches 2; Indels 0; Gaps 0;
Mismatches 0;

QY 920 TTTGCTTTATC 932
DB 1 TTTGAGTTTATY 13
|||||
RESULT 1727
ID ABF53196/c
XX ABF53196 standard; DNA; 13 BP.
XX
XX AC ABF53196;
XX
XX DT 21-FEB-2002 (first entry)
XX
XX DE Oligonucleotide SEQ ID NO 153193 for detecting SNP TSC0038712.
XX
XX KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
XX OS Homo sapiens.
XX
XX PN WO200177384-A2.
XX
XX PD 18-OCT-2001.
XX
XX PF 06-APR-2001; 2001WO-IB0000713.
XX
XX PR 07-APR-2000; 2000DE-01019173.
XX
XX PA (EPIG-) EPIGENOMICS AG.
XX
XX PI Olek A, Piepenbrock C, Berlin K;
XX
XX DR WPI; 2001-657177/75.
XX
XX PT Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
XX PS Claim 1; SEQ ID NO 153193; 29pp + Sequence Listing; German.
XX
XX This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
XX Query Match 12.9%; Score 9.4; DB 1; Length 13;
SQ Sequence 13 BP; 2 A; 0 C; 2 G; 8 T; 0 U; 1 Other;
Best Local Similarity 76.9%; Pred. No. 1.3e+03;
Matches 10; Conservative 1; Mismatches 2; Indels 0; Gaps 0;
Mismatches 0;

QY 920 TTTGCTTTATC 932
DB 1 TTTGAGTTTATY 13
|||||
RESULT 1727
ID ABF53196/c
XX ABF53196 standard; DNA; 13 BP.
XX
XX AC ABF53196;
XX
XX DT 21-FEB-2002 (first entry)
XX
XX DE Oligonucleotide SEQ ID NO 153193 for detecting SNP TSC0038712.
XX
XX KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
XX OS Homo sapiens.
XX
XX PN WO200177384-A2.
XX
XX PD 18-OCT-2001.
XX
XX PF 06-APR-2001; 2001WO-IB0000713.
XX
XX PR 07-APR-2000; 2000DE-01019173.
XX
XX PA (EPIG-) EPIGENOMICS AG.
XX
XX PI Olek A, Piepenbrock C, Berlin K;
XX
XX DR WPI; 2001-657177/75.
XX
XX PT Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
XX PS Claim 1; SEQ ID NO 153193; 29pp + Sequence Listing; German.
XX
XX This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
XX Query Match 12.9%; Score 9.4; DB 1; Length 13;
SQ Sequence 13 BP; 2 A; 0 C; 2 G; 8 T; 0 U; 1 Other;
Best Local Similarity 76.9%; Pred. No. 1.3e+03;
Matches 10; Conservative 1; Mismatches 2; Indels 0; Gaps 0;
Mismatches 0;

QY 918 TCCTTGCTTTT 928
DB 12 TCCTTGCTTTT 2
|||||
RESULT 1728
ID ABH03395/c
XX ABH03395 standard; DNA; 13 BP.
XX
XX AC ABH03395;
XX
XX DT 22-FEB-2002 (first entry)
XX
XX DE Oligonucleotide SEQ ID NO 203372 for detecting SNP TSC0049945.
XX
XX KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
XX OS Homo sapiens.
XX
XX PN WO200177384-A2.
XX
XX PD 18-OCT-2001.
XX
XX PF 06-APR-2001; 2001WO-IB0000713.
XX
XX PR 07-APR-2000; 2000DE-01019173.
XX
XX PA (EPIG-) EPIGENOMICS AG.
XX
XX PI Olek A, Piepenbrock C, Berlin K;
XX
XX DR WPI; 2001-657177/75.
XX
XX PT Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
XX PS Claim 1; SEQ ID NO 203372; 29pp + Sequence Listing; German.
XX
XX This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
XX Query Match 12.9%; Score 9.4; DB 1; Length 13;
SQ Sequence 13 BP; 2 A; 0 C; 2 G; 8 T; 0 U; 1 Other;
Best Local Similarity 90.9%; Pred. No. 1.3e+03;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
Mismatches 0;

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QY      943 ATTGGTTTAAT 953
Db      13 ATTGGTTTAT 3
|||||
RESULT 1729
ABH29651/c
ID ABH29651 standard; DNA; 13 BP.
XX
XX
AC ABH29651;
XX
DT 22-FEB-2002 (first entry)
XX
DE DE
DE Oligonucleotide SEQ ID NO 229628 for detecting SNP TSC0056011.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
XX WO200177384-A2.
XX
XX 18-OCT-2001.
XX
XX 06-APR-2001; 2001WO-IB000713.
XX
XX 07-APR-2000; 2000DE-01019173.
XX
XX (EPIC-) EPIGENOMICS AG.
XX
XX Olek A, Piepenbrock C, Berlin K;
XX
XX WPI; 2001-657177/75.
XX
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
XX designed to detect single-nucleotide polymorphisms and cytosine
XX methylation status.
XX
XX Claim 1; SEQ ID NO 229628; 29pp + Sequence Listing; German.
XX
XX This invention describes novel oligonucleotide primers or peptide nucleic
XX acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
XX and cytosine methylation status in chemically pretreated genomic DNA. The
XX oligonucleotides are used for diagnosis and/or prognosis of cancer and a
XX range of diseases including immune system, gastrointestinal, respiratory,
XX central nervous system, cardiovascular and metabolic disorders. The
XX oligomers are also used for detecting cell type differentiation. ABC00010
XX -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
XX represent the oligomers described in the invention. NOTE: The sequence
XX data for this patent did not form part of the printed specification, but
XX was obtained in electronic format from WIPO at
XX ftp.wipo.int/pub/published_pct_sequences
XX
XX Sequence 13 BP; 6 A; 4 C; 0 G; 3 T; 0 U; 0 Other;
XX
XX This invention describes novel oligonucleotide primers or peptide nucleic
XX acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
XX and cytosine methylation status in chemically pretreated genomic DNA. The
XX oligonucleotides are used for diagnosis and/or prognosis of cancer and a
XX range of diseases including immune system, gastrointestinal, respiratory,
XX central nervous system, cardiovascular and metabolic disorders. The
XX oligomers are also used for detecting cell type differentiation. ABC00010
XX -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
XX represent the oligomers described in the invention. NOTE: The sequence
XX data for this patent did not form part of the printed specification, but
XX was obtained in electronic format from WIPO at
XX ftp.wipo.int/pub/published_pct_sequences
XX
XX Query Match 12.9%; Score 9.4; DB 1; Length 13;
XX Best Local Similarity 90.9%; Pred. No. 1.3e+03;
XX Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
XX
QY      946 GGTTTAATGTA 956
Db      11 GGTTTAATGTA 1
|||||
RESULT 1730
ABH06002
ID ABH06002 standard; DNA; 13 BP.
XX
XX
AC ABH06002;
XX
XX 22-FEB-2002 (first entry)
XX

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XX DE Oligonucleotide SEQ ID NO 205979 for detecting SNP TSC0050473.
XX KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
XX OS Homo sapiens.
XX
XX WO200177384-A2.
XX
XX 18-OCT-2001.
XX
XX 06-APR-2001; 2001WO-IB000713.
XX
XX 07-APR-2000; 2000DE-01019173.
XX
XX (EPIC-) EPIGENOMICS AG.
XX
XX Olek A, Piepenbrock C, Berlin K;
XX
XX WPI; 2001-657177/75.
XX
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
XX designed to detect single-nucleotide polymorphisms and cytosine
XX methylation status.
XX
XX Claim 1; SEQ ID NO 205979; 29pp + Sequence Listing; German.
XX
XX This invention describes novel oligonucleotide primers or peptide nucleic
XX acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
XX and cytosine methylation status in chemically pretreated genomic DNA. The
XX oligonucleotides are used for diagnosis and/or prognosis of cancer and a
XX range of diseases including immune system, gastrointestinal, respiratory,
XX central nervous system, cardiovascular and metabolic disorders. The
XX oligomers are also used for detecting cell type differentiation. ABC00010
XX -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
XX represent the oligomers described in the invention. NOTE: The sequence
XX data for this patent did not form part of the printed specification, but
XX was obtained in electronic format from WIPO at
XX ftp.wipo.int/pub/published_pct_sequences
XX
XX Sequence 13 BP; 2 A; 1 C; 4 G; 6 T; 0 U; 0 Other;
XX
XX Query Match 12.9%; Score 9.4; DB 1; Length 13;
XX Best Local Similarity 90.9%; Pred. No. 1.3e+03;
XX Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
XX
QY      949 TTAATGTTATCG 959
Db      2 TTAATGTTATCG 12
|||||
RESULT 1731
ABF82589/c
ID ABF82589 standard; DNA; 13 BP.
XX
XX ABF82589;
XX
XX 22-FEB-2002 (first entry)
XX
XX Oligonucleotide SEQ ID NO 182586 for detecting SNP TSC0045131.
XX
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
XX OS Homo sapiens.
XX
XX WO200177384-A2.
XX
XX 18-OCT-2001.
XX

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PF 06-APR-2001; 2001WO-IB000713.
XX
XX 07-APR-2000; 2000DE-01019173.
XX
XX (EPIC-) EPIGENOMICS AG.
XX
XX Olek A, Piepenbrock C, Berlin K;
XX
XX WPI; 2001-657177/75.
XX
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
XX Claim 1; SEQ ID NO 182586; 29pp + Sequence Listing; German.
XX
XX This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
XX Sequence 13 BP; 6 A; 4 C; 1 G; 2 T; 0 U; 0 Other;
XX
XX Query Match 12.9%; Score 9.4; DB 1; Length 13;
XX Best Local Similarity 90.9%; Pred. No. 1.3e+03;
XX Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
XX
QY 907 ATTTCCTTGG 917
DB 13 ATTTCGTGG 3
|||||
RESULT 1732
ABH32905
ID ABH32905 standard; DNA; 13 BP.
XX
XX ABH32905;
XX
XX 22-FEB-2002 (first entry)
XX
XX Oligonucleotide SEQ ID NO 232882 for detecting SNP TSC0056816.
XX
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
XX Homo sapiens.
XX
XX WO200177384-A2.
XX
XX 18-OCT-2001.
XX
XX 06-APR-2001; 2001WO-IB000713.
XX
XX 07-APR-2000; 2000DE-01019173.
XX
XX (EPIC-) EPIGENOMICS AG.
XX
XX Olek A, Piepenbrock C, Berlin K;
XX
XX WPI; 2001-657177/75.
XX
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
XX Claim 1; SEQ ID NO 182586; 29pp + Sequence Listing; German.
XX
XX This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
XX Sequence 13 BP; 6 A; 4 C; 1 G; 2 T; 0 U; 0 Other;
XX
XX Query Match 12.9%; Score 9.4; DB 1; Length 13;
XX Best Local Similarity 90.9%; Pred. No. 1.3e+03;
XX Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
XX
QY 907 ATTTCCTTGG 917
DB 13 ATTTCGTGG 3
|||||
RESULT 1733
ABH08559/C
ID ABH08559 standard; DNA; 13 BP.
XX
XX ABH08559;
XX
XX 22-FEB-2002 (first entry)
XX
XX Oligonucleotide SEQ ID NO 208536 for detecting SNP TSC0050953.
XX
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
XX Homo sapiens.
XX
XX WO200177384-A2.
XX
XX 18-OCT-2001.
XX
XX 06-APR-2001; 2001WO-IB000713.
XX
XX 07-APR-2000; 2000DE-01019173.
XX
XX (EPIC-) EPIGENOMICS AG.
XX
XX Olek A, Piepenbrock C, Berlin K;
XX
XX WPI; 2001-657177/75.
XX
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
XX Claim 1; SEQ ID NO 208536; 29pp + Sequence Listing; German.
XX
XX This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
XX Sequence 13 BP; 1 A; 1 C; 0 G; 11 T; 0 U; 0 Other;
XX
XX Query Match 12.9%; Score 9.4; DB 1; Length 13;
XX Best Local Similarity 90.9%; Pred. No. 1.3e+03;
XX Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
XX
QY 905 TCATTTCTTT 915
DB 2 TCATTTTTT 12
|||||

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CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX Sequence 13 BP; 9 A; 3 C; 0 G; 1 T; 0 U; 0 Other;
SQ

Query Match      12.9%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 1.3e+03;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 913 TTTGGCTTTG 923
Db 12 TTTGGCTTTG 2

RESULT 1734
ABF84804
ID ABF84804 standard; DNA; 13 BP.
XX
AC ABF84804;
XX
XX 22-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 184801 for detecting SNP TSC0045589.
XX
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
XX WO200177384-A2.
XX
XX 18-OCT-2001.
XX
XX 06-APR-2001; 2001WO-IB000713.
XX
XX 07-APR-2000; 2000DE-01019173.
XX
XX (EPG-) EPIGENOMICS AG.
XX
XX Olek A, Piepenbrock C, Berlin K;
XX
XX WPI; 2001-657177/75.
XX
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
XX Claim 1; SEQ ID NO 184801; 29pp + Sequence Listing; German.
XX
XX This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
XX Sequence 13 BP; 4 A; 0 C; 3 G; 5 T; 0 U; 1 Other;
XX
XX This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
XX Sequence 13 BP; 5 A; 3 C; 0 G; 4 T; 0 U; 1 Other;
XX
XX Query Match      12.9%; Score 9.4; DB 1; Length 13;
XX Best Local Similarity 90.9%; Pred. No. 1.3e+03;
XX Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
XX
XX QY 947 GTTTAATGTAT 957
XX Db 13 GTTTAAGTAT 3

RESULT 1736
ABH13466
ID ABH13466 standard; DNA; 13 BP.
XX
XX ABH13466;
XX
XX 22-FEB-2002 (first entry)
XX
XX Oligonucleotide SEQ ID NO 213443 for detecting SNP TSC0008090.
XX
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;

```

KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX Homo sapiens.
XX WO200177384-A2.
XX 18-OCT-2001.
XX 06-APR-2001; 2001WO-IB000713.
XX 07-APR-2000; 2000DE-01019173.
XX (EPIG-) EPIGENOMICS AG.
XX Olek A, Piepenbrock C, Berlin K;
XX WPI; 2001-657177/75.
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX Claim 1; SEQ ID NO 213443; 29pp + Sequence Listing; German.
XX This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
XX Sequence 13 BP; 5 A; 0 C; 2 G; 6 T; 0 U; 0 Other;
Query Match 12.9%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 1.3e+03;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
OY 949 TTAATGTATCG 959
DB 2 TTAATGTATAG 12
RESULT 1737
ABF63725/C
ID ABF63725 standard; DNA; 13 BP.
XX
XX ABF63725;
XX 22-FEB-2002 (first entry)
XX Oligonucleotide SEQ ID NO 163722 for detecting SNP TSC0041134.
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX Homo sapiens.
XX WO200177384-A2.
XX 18-OCT-2001.
XX 06-APR-2001; 2001WO-IB000713.
XX 07-APR-2000; 2000DE-01019173.
XX (EPIG-) EPIGENOMICS AG.

XX Olek A, Piepenbrock C, Berlin K;
XX WPI; 2001-657177/75.
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX Claim 1; SEQ ID NO 163722; 29pp + Sequence Listing; German.
XX This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
XX Sequence 13 BP; 10 A; 3 C; 0 G; 0 T; 0 U; 0 Other;
Query Match 12.9%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 1.3e+03;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
OY 908 TTTTCTTTTGGT 918
DB 12 TTTTCTTTTGGT 2
RESULT 1738
ABH14806
ID ABH14806 standard; DNA; 13 BP.
XX
XX ABH14806;
XX 22-FEB-2002 (first entry)
XX Oligonucleotide SEQ ID NO 214783 for detecting SNP TSC0052268.
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX Homo sapiens.
XX WO200177384-A2.
XX 18-OCT-2001.
XX 06-APR-2001; 2001WO-IB000713.
XX 07-APR-2000; 2000DE-01019173.
XX (EPIG-) EPIGENOMICS AG.
XX Olek A, Piepenbrock C, Berlin K;
XX WPI; 2001-657177/75.
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX Claim 1; SEQ ID NO 214783; 29pp + Sequence Listing; German.
XX This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)

CC and cytosine methylation status in chemically pretreated genomic DNA. The
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
 CC range of diseases including immune system, gastrointestinal, respiratory,
 CC central nervous system, cardiovascular and metabolic disorders. The
 CC oligomers are also used for detecting cell type differentiation. ABC00010
 CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
 CC represent the oligomers described in the invention. NOTE: The sequence
 CC data for this patent did not form part of the printed specification, but
 CC was obtained in electronic format from WIPO at
 CC ftp.wipo.int/pub/published_pct_sequences
 XX
 SQ Sequence 13 BP; 5 A; 1 C; 1 G; 5 T; 0 U; 1 Other;

Query Match 12.9%; Score 9.4; DB 1; Length 13;
 Best Local Similarity 76.9%; Pred. No. 1.3e+03;
 Matches 10; Conservative 1; Mismatches 2; Indels 0; Gaps 0;

QY 951 AATGATCGCTAC 963
 Db 1 AATTATCGATAY 13
 ||| ||| ||| |||

RESULT 1739
 ABH41252
 ID ABH41252 standard; DNA; 13 BP.

XX AC ABH41252;

DT 22-FEB-2002 (first entry)

DE Oligonucleotide SEQ ID NO 241229 for detecting SNP TSC0058839.

XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
 XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
 XX central nervous system; gastrointestinal; respiratory; immune; metabolic.
 XX Homo sapiens.

XX WO200177384-A2.

XX 18-OCT-2001.

XX 06-APR-2001; 2001WO-IB000713.

XX 07-APR-2000; 2000DE-01019173.

XX (EPIG-) EPIGENOMICS AG.

XX Olek A, Piepenbrock C, Berlin K;

XX WPI; 2001-657177/75.

XX Set of oligonucleotides, useful for diagnosis and cell typing, is
 PT designed to detect single-nucleotide polymorphisms and cytosine
 PT methylation status.

XX Claim 1; SEQ ID NO 241229; 29pp + Sequence Listing; German.

XX This invention describes novel oligonucleotide primers or peptide nucleic
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
 CC and cytosine methylation status in chemically pretreated genomic DNA. The
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
 CC range of diseases including immune system, gastrointestinal, respiratory,
 CC central nervous system, cardiovascular and metabolic disorders. The
 CC oligomers are also used for detecting cell type differentiation. ABC00010
 CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
 CC represent the oligomers described in the invention. NOTE: The sequence
 CC data for this patent did not form part of the printed specification, but
 CC was obtained in electronic format from WIPO at
 CC ftp.wipo.int/pub/published_pct_sequences

XX Sequence 13 BP; 2 A; 0 C; 2 G; 8 T; 0 U; 1 Other;

Query Match 12.9%; Score 9.4; DB 1; Length 13;
 Best Local Similarity 76.9%; Pred. No. 1.3e+03;
 Matches 10; Conservative 1; Mismatches 2; Indels 0; Gaps 0;

QY 946 GGTTTAATGATC 958
 Db 1 GGTTTAATTTTY 13
 ||| ||| ||| |||

RESULT 1740

ABH53760

ID ABH53760 standard; DNA; 13 BP.

XX AC ABH53760;

DT 22-FEB-2002 (first entry)

DE Oligonucleotide SEQ ID NO 253737 for detecting SNP TSC0061857.

XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
 XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
 XX central nervous system; gastrointestinal; respiratory; immune; metabolic.

XX Homo sapiens.

XX WO200177384-A2.

XX 18-OCT-2001.

XX 06-APR-2001; 2001WO-IB000713.

XX 07-APR-2000; 2000DE-01019173.

XX (EPIG-) EPIGENOMICS AG.

XX Olek A, Piepenbrock C, Berlin K;

XX WPI; 2001-657177/75.

XX Set of oligonucleotides, useful for diagnosis and cell typing, is
 PT designed to detect single-nucleotide polymorphisms and cytosine
 PT methylation status.

XX Claim 1; SEQ ID NO 253737; 29pp + Sequence Listing; German.

XX This invention describes novel oligonucleotide primers or peptide nucleic
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
 CC and cytosine methylation status in chemically pretreated genomic DNA. The
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
 CC range of diseases including immune system, gastrointestinal, respiratory,
 CC central nervous system, cardiovascular and metabolic disorders. The
 CC oligomers are also used for detecting cell type differentiation. ABC00010
 CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
 CC represent the oligomers described in the invention. NOTE: The sequence
 CC data for this patent did not form part of the printed specification, but
 CC was obtained in electronic format from WIPO at
 CC ftp.wipo.int/pub/published_pct_sequences

XX Sequence 13 BP; 5 A; 0 C; 3 G; 5 T; 0 U; 0 Other;

Query Match 12.9%; Score 9.4; DB 1; Length 13;
 Best Local Similarity 90.9%; Pred. No. 1.3e+03;
 Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 946 GGTTTAATGTA 956
 Db 2 GGTTTAAATA 12
 ||| ||| ||| |||

RESULT 1741

ABH58823/c

ID ABH58823 standard; DNA; 13 BP.

XX

AC ABH58823;
XX
DT 22-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 258800 for detecting SNP TSC0062902.
XX
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
FN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIC-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
XX WPI; 2001-657177/75.
XX
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
PS Claim 1; SEQ ID NO 258800; 29pp + Sequence Listing; German.
XX
XX This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 13 BP; 8 A; 4 C; 0 G; 1 T; 0 U; 0 Other;
XX
XX Query Match 12.9%; Score 9.4; DB 1; Length 13;
XX Best Local Similarity 90.9%; Pred. No. 1.3e+03;
XX Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
XX
QY 913 TTTCCTCTTG 923
DB 12 TTTCCTCTTG 2
XX
RESULT 1742
ABH59590
ID ABH59590 standard; DNA; 13 BP.
XX
AC ABH59590;
XX
DT 22-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 259567 for detecting SNP TSC0063038.
XX
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
FN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIC-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
XX WPI; 2001-657177/75.
XX
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
PS Claim 1; SEQ ID NO 258800; 29pp + Sequence Listing; German.
XX
XX This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 13 BP; 8 A; 4 C; 0 G; 1 T; 0 U; 0 Other;
XX
XX Query Match 12.9%; Score 9.4; DB 1; Length 13;
XX Best Local Similarity 90.9%; Pred. No. 1.3e+03;
XX Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
XX
QY 913 TTTCCTCTTG 923
DB 12 TTTCCTCTTG 2
XX
RESULT 1742
ABH59590
ID ABH59590 standard; DNA; 13 BP.
XX
AC ABH59590;
XX
DT 22-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 259567 for detecting SNP TSC0063038.
XX
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
FN WO200177384-A2.
XX

XX 18-OCT-2001.
XX
XX 06-APR-2001; 2001WO-IB000713.
XX
XX 07-APR-2000; 2000DE-01019173.
XX
XX (EPIC-) EPIGENOMICS AG.
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XX Olek A, Piepenbrock C, Berlin K;
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XX WPI; 2001-657177/75.
XX
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
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PT methylation status.
XX
XX Claim 1; SEQ ID NO 259567; 29pp + Sequence Listing; German.
XX
XX This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 13 BP; 1 A; 0 C; 3 G; 9 T; 0 U; 0 Other;
XX
XX Query Match 12.9%; Score 9.4; DB 1; Length 13;
XX Best Local Similarity 90.9%; Pred. No. 1.3e+03;
XX Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
XX
QY 940 TTCATTGCTTT 950
DB 1 TTATTGCTTT 11
XX
RESULT 1743
ABH59591/C
ID ABH59591 standard; DNA; 13 BP.
XX
AC ABH59591;
XX
DT 22-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 259568 for detecting SNP TSC0063038.
XX
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
FN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
XX (EPIC-) EPIGENOMICS AG.
XX
XX Olek A, Piepenbrock C, Berlin K;
XX
XX WPI; 2001-657177/75.
XX

PT Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.

PS Claim 1; SEQ ID NO 259568; 29pp + Sequence Listing; German.

XX This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the invention. NOTE: The sequence
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences

XX Sequence 13 BP; 9 A; 3 C; 0 G; 1 T; 0 U; 0 Other;

Query Match 12.9%; Score 9.4; DB 1; Length 13;

Best Local Similarity 90.9%; Pred. No. 1.3e+03;

Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 940 TTCATTGGTTT 950

Db 13 TTATTGGTTT 3

RESULT 1744

ABH62571/c

ID ABH62571 standard; DNA; 13 BP.

XX ABH62571;

XX 22-FEB-2002 (first entry)

DE Oligonucleotide SEQ ID NO 262548 for detecting SNP TSC0063689.

XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX central nervous system; gastrointestinal; respiratory; immune; metabolic.

XX Homo sapiens.

XX WO200177384-A2.

XX 18-OCT-2001.

XX 06-APR-2001; 2001WO-IB000713.

XX 07-APR-2000; 2000DE-01019173.

XX (EPIC-) EPIGENOMICS AG.

XX Olek A, Piepenbrock C, Berlin K;

XX WPI; 2001-657177/75.

XX Set of oligonucleotides, useful for diagnosis and cell typing, is
XX designed to detect single-nucleotide polymorphisms and cytosine
XX methylation status.

XX Claim 1; SEQ ID NO 262548; 29pp + Sequence Listing; German.

XX This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010

CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the invention. NOTE: The sequence
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences

XX Sequence 13 BP; 5 A; 4 C; 0 G; 3 T; 0 U; 1 Other;

Query Match 12.9%; Score 9.4; DB 1; Length 13;

Best Local Similarity 76.9%; Pred. No. 1.3e+03;

Matches 10; Conservative 1; Mismatches 2; Indels 0; Gaps 0;

QY 946 GGTTTAATGATC 958

Db 13 GGTTTAATGATY 1

RESULT 1745

ABC68001/c

ID ABC68001 standard; DNA; 13 BP.

XX ABC68001;

XX 21-FEB-2002 (first entry)

DE Oligonucleotide SEQ ID NO 68018 for detecting SNP TSC0017754.

XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX central nervous system; gastrointestinal; respiratory; immune; metabolic.

XX Homo sapiens.

XX WO200177384-A2.

XX 18-OCT-2001.

XX 06-APR-2001; 2001WO-IB000713.

XX 07-APR-2000; 2000DE-01019173.

XX (EPIC-) EPIGENOMICS AG.

XX Olek A, Piepenbrock C, Berlin K;

XX WPI; 2001-657177/75.

XX Set of oligonucleotides, useful for diagnosis and cell typing, is
XX designed to detect single-nucleotide polymorphisms and cytosine
XX methylation status.

XX Claim 1; SEQ ID NO 68018; 29pp + Sequence Listing; German.

XX This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the invention. NOTE: The sequence
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences

XX Sequence 13 BP; 6 A; 3 C; 0 G; 3 T; 0 U; 1 Other;

Query Match 12.9%; Score 9.4; DB 1; Length 13;

Best Local Similarity 76.9%; Pred. No. 1.3e+03;

Matches 10; Conservative 1; Mismatches 2; Indels 0; Gaps 0;

QY 946 GGTTTAATGATC 958

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Db      13 GGTGAATTATY 1
|||||
RESULT 1746
ABC93472
ID ABC93472 standard; DNA; 13 BP.
XX AC ABC93472;
XX
XX 21-FEB-2002 (first entry)
DT
DE
DE Oligonucleotide SEQ ID NO 93489 for detecting SNP TSC0023360.
XX
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
XX Homo sapiens.
XX
XX WO200177384-A2.
XX
XX 18-OCT-2001.
XX
XX 21-FEB-2002 (first entry)
DT
DE
DE Oligonucleotide SEQ ID NO 93489 for detecting SNP TSC0023360.
XX
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
XX Homo sapiens.
XX
XX WO200177384-A2.
XX
XX 18-OCT-2001.
XX
XX 06-APR-2001; 2001WO-IB000713.
XX
XX 07-APR-2000; 2000DE-01019173.
XX
XX (EPIG-) EPIGENOMICS AG.
XX
XX Olek A, Piepenbrock C, Berlin K;
XX
XX WPI; 2001-657177/75.
XX
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
XX Claim 1; SEQ ID NO 93489; 29pp + Sequence Listing; German.
XX
XX This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
XX Sequence 13 BP; 2 A; 0 C; 5 G; 5 T; 0 U; 1 Other;
XX
XX This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
XX Query Match 12.9%; Score 9.4; DB 1; Length 13;
XX Best Local Similarity 76.9%; Pred. No. 1.3e+03;
XX Matches 10; Conservative 1; Mismatches 2; Indels 0; Gaps 0;
XX
XX 946 GGTGAATTATC 958
XX 1 GGTGAATTATC 13
XX
XX RESULT 1747
XX ABC94697/c
XX ID ABC94697 standard; DNA; 13 BP.
XX
XX AC ABC94697;
XX
XX 21-FEB-2002 (first entry)
DT
DE
DE Oligonucleotide SEQ ID NO 94714 for detecting SNP TSC0023602.
XX

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XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
XX Homo sapiens.
XX
XX WO200177384-A2.
XX
XX 18-OCT-2001.
XX
XX 06-APR-2001; 2001WO-IB000713.
XX
XX 07-APR-2000; 2000DE-01019173.
XX
XX (EPIG-) EPIGENOMICS AG.
XX
XX Olek A, Piepenbrock C, Berlin K;
XX
XX WPI; 2001-657177/75.
XX
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
XX Claim 1; SEQ ID NO 94714; 29pp + Sequence Listing; German.
XX
XX This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
XX Sequence 13 BP; 6 A; 3 C; 1 G; 3 T; 0 U; 0 Other;
XX
XX Query Match 12.9%; Score 9.4; DB 1; Length 13;
XX Best Local Similarity 90.9%; Pred. No. 1.3e+03;
XX Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
XX
XX 946 GGTGAATTATC 956
XX 12 GGTGAATTATC 2
XX
XX RESULT 1748
XX ABC71595/c
XX ID ABC71595 standard; DNA; 13 BP.
XX
XX AC ABC71595;
XX
XX 21-FEB-2002 (first entry)
DT
DE
DE Oligonucleotide SEQ ID NO 71612 for detecting SNP TSC0018532.
XX
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
XX Homo sapiens.
XX
XX WO200177384-A2.
XX
XX 18-OCT-2001.
XX
XX 06-APR-2001; 2001WO-IB000713.
XX

```

PR 07-APR-2000; 2000DE-01019173.
 XX (EPIG-) EPIGENOMICS AG.
 PA Olek A, Piepenbrock C, Berlin K;
 XX WPI; 2001-657177/75.
 XX Set of oligonucleotides, useful for diagnosis and cell typing, is
 PT designed to detect single-nucleotide polymorphisms and cytosine
 PT methylation status.
 XX Claim 1; SEQ ID NO 71612; 29pp + Sequence Listing; German.
 XX This invention describes novel oligonucleotide primers or peptide nucleic
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
 CC and cytosine methylation status in chemically pretreated genomic DNA. The
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
 CC range of diseases including immune system, gastrointestinal, respiratory,
 CC central nervous system, cardiovascular and metabolic disorders. The
 CC oligomers are also used for detecting cell type differentiation. ABC00010
 CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
 CC represent the oligomers described in the invention. NOTE: The sequence
 CC data for this patent did not form part of the printed specification, but
 CC was obtained in electronic format from WIPO at
 CC ftp.wipo.int/pub/published_pct_sequences
 XX Sequence 13 BP; 6 A; 2 C; 0 G; 4 T; 0 U; 1 Other;
 XX Query Match 12.9%; Score 9.4; DB 1; Length 13;
 XX Best Local Similarity 76.9%; Pred. No. 1.3e+03;
 XX Matches 10; Conservative 1; Mismatches 2; Indels 0; Gaps 0;
 QY 941 TCATTGGTTAAT 953
 DB 13 TTATTGGTTAAAY 1
 RESULT 1749
 ABC21785/c
 ID ABC21785 standard; DNA; 13 BP.
 XX ABC21785;
 AC ABC21785;
 XX 20-FEB-2002 (first entry)
 DT
 DE Oligonucleotide SEQ ID NO 21802 for detecting SNP TSC0004359.
 XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
 KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
 KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
 XX Homo sapiens.
 OS
 XX WO200177384-A2.
 PN
 XX 18-OCT-2001.
 PD
 XX 06-APR-2001; 2001WO-IB000713.
 PF
 XX 07-APR-2000; 2000DE-01019173.
 PR
 XX (EPIG-) EPIGENOMICS AG.
 PA
 XX Olek A, Piepenbrock C, Berlin K;
 PI
 XX WPI; 2001-657177/75.
 XX Set of oligonucleotides, useful for diagnosis and cell typing, is
 PT designed to detect single-nucleotide polymorphisms and cytosine
 PT methylation status.
 XX Claim 1; SEQ ID NO 21802; 29pp + Sequence Listing; German.

XX This invention describes novel oligonucleotide primers or peptide nucleic
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
 CC and cytosine methylation status in chemically pretreated genomic DNA. The
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
 CC range of diseases including immune system, gastrointestinal, respiratory,
 CC central nervous system, cardiovascular and metabolic disorders. The
 CC oligomers are also used for detecting cell type differentiation. ABC00010
 CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
 CC represent the oligomers described in the invention. NOTE: The sequence
 CC data for this patent did not form part of the printed specification, but
 CC was obtained in electronic format from WIPO at
 CC ftp.wipo.int/pub/published_pct_sequences
 XX Sequence 13 BP; 6 A; 4 C; 0 G; 3 T; 0 U; 0 Other;
 XX Query Match 12.9%; Score 9.4; DB 1; Length 13;
 XX Best Local Similarity 90.3%; Pred. No. 1.3e+03;
 XX Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
 QY 946 GGTTTAATGTA 956
 DB 12 GGTTTAATGTA 2
 RESULT 1750
 ABC98917/c
 ID ABC98917 standard; DNA; 13 BP.
 XX ABC98917;
 AC ABC98917;
 XX 21-FEB-2002 (first entry)
 DT
 DE Oligonucleotide SEQ ID NO 98934 for detecting SNP TSC0024573.
 XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
 KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
 KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
 XX Homo sapiens.
 OS
 XX WO200177384-A2.
 PN
 XX 18-OCT-2001.
 PD
 XX 06-APR-2001; 2001WO-IB000713.
 PF
 XX 07-APR-2000; 2000DE-01019173.
 PR
 XX (EPIG-) EPIGENOMICS AG.
 PA
 XX Olek A, Piepenbrock C, Berlin K;
 PI
 XX WPI; 2001-657177/75.
 XX Set of oligonucleotides, useful for diagnosis and cell typing, is
 PT designed to detect single-nucleotide polymorphisms and cytosine
 PT methylation status.
 XX Claim 1; SEQ ID NO 98934; 29pp + Sequence Listing; German.
 XX This invention describes novel oligonucleotide primers or peptide nucleic
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
 CC and cytosine methylation status in chemically pretreated genomic DNA. The
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
 CC range of diseases including immune system, gastrointestinal, respiratory,
 CC central nervous system, cardiovascular and metabolic disorders. The
 CC oligomers are also used for detecting cell type differentiation. ABC00010
 CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
 CC represent the oligomers described in the invention. NOTE: The sequence
 CC data for this patent did not form part of the printed specification, but
 CC was obtained in electronic format from WIPO at
 CC ftp.wipo.int/pub/published_pct_sequences

```
XX SQ Sequence 13 BP; 6 A; 4 C; 0 G; 2 T; 0 U; 1 Other;
Query Match 12.9%; Score 9.4; DB 1; Length 13;
Best Local Similarity 76.9%; Pred. No. 1.3e+03;
Matches 10; Conservative 1; Mismatches 2; Indels 0; Gaps 0;

QY 945 TGGTTAATGTAT 957
Db 13 TGGTGTATTGTAT 1

RESULT 1751
ABC24679
ID ABC24679 standard; DNA; 13 BP.
XX AC ABC24679;
XX DT 20-FEB-2002 (first entry)
XX DE Oligonucleotide SEQ ID NO 24696 for detecting SNP TSC0005921.
XX SN; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX OS Homo sapiens.
XX PN WO200177384-A2.
XX PD 18-OCT-2001.
XX DT 20-FEB-2002 (first entry)
XX DE Oligonucleotide SEQ ID NO 24696 for detecting SNP TSC0005921.
XX SN; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX OS Homo sapiens.
XX PN WO200177384-A2.
XX PD 18-OCT-2001.
XX DT 06-APR-2001; 2001WO-IB000713.
XX PR 07-APR-2000; 2000DE-01019173.
XX PA (EPIG-) EPIGENOMICS AG.
XX PI Olek A, Piepenbrock C, Berlin K;
XX WI; 2001-657177/75.
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
XX designed to detect single-nucleotide polymorphisms and cytosine
XX methylation status.
XX Claim 1; SEQ ID NO 24696; 29pp + Sequence Listing; German.
XX This invention describes novel oligonucleotide primers or peptide nucleic
XX acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
XX and cytosine methylation status in chemically pretreated genomic DNA. The
XX oligonucleotides are used for diagnosis and/or prognosis of cancer and a
XX range of diseases including immune system, gastrointestinal, respiratory,
XX central nervous system, cardiovascular and metabolic disorders. The
XX oligomers are also used for detecting cell type differentiation. ABC00010
XX -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
XX represent the oligomers described in the invention. NOTE: The sequence
XX data for this patent did not form part of the printed specification, but
XX was obtained in electronic format from WIPO at
XX ftp.wipo.int/pub/published_pct_sequences
XX Sequence 13 BP; 3 A; 1 C; 0 G; 9 T; 0 U; 0 Other;
Query Match 12.9%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 1.3e+03;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 905 TCATTTTCTTT 915
Db 1 TCATTTTATT 11

RESULT 1752
ABC24679
ID ABC24679 standard; DNA; 13 BP.
XX AC ABC24679;
XX DT 20-FEB-2002 (first entry)
XX DE Oligonucleotide SEQ ID NO 24696 for detecting SNP TSC0005921.
XX SN; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX OS Homo sapiens.
XX PN WO200177384-A2.
XX PD 18-OCT-2001.
XX DT 06-APR-2001; 2001WO-IB000713.
XX PR 07-APR-2000; 2000DE-01019173.
XX PA (EPIG-) EPIGENOMICS AG.
XX PI Olek A, Piepenbrock C, Berlin K;
XX WI; 2001-657177/75.
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
XX designed to detect single-nucleotide polymorphisms and cytosine
XX methylation status.
XX Claim 1; SEQ ID NO 24696; 29pp + Sequence Listing; German.
XX This invention describes novel oligonucleotide primers or peptide nucleic
XX acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
XX and cytosine methylation status in chemically pretreated genomic DNA. The
XX oligonucleotides are used for diagnosis and/or prognosis of cancer and a
XX range of diseases including immune system, gastrointestinal, respiratory,
XX central nervous system, cardiovascular and metabolic disorders. The
XX oligomers are also used for detecting cell type differentiation. ABC00010
XX -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
XX represent the oligomers described in the invention. NOTE: The sequence
XX data for this patent did not form part of the printed specification, but
XX was obtained in electronic format from WIPO at
XX ftp.wipo.int/pub/published_pct_sequences
XX Sequence 13 BP; 3 A; 1 C; 0 G; 9 T; 0 U; 0 Other;
Query Match 12.9%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 1.3e+03;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 905 TCATTTTCTTT 915
Db 1 TCATTTTATT 11

RESULT 1753
ABC28260
ID ABC28260 standard; DNA; 13 BP.
XX AC ABC28260;
XX DT 20-FEB-2002 (first entry)
XX DE Oligonucleotide SEQ ID NO 28277 for detecting SNP TSC0008027.
XX SN; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX OS Homo sapiens.
XX PN WO200177384-A2.
XX PD 18-OCT-2001.
XX DT 06-APR-2001; 2001WO-IB000713.
XX PR 07-APR-2000; 2000DE-01019173.
XX PA (EPIG-) EPIGENOMICS AG.
XX PI Olek A, Piepenbrock C, Berlin K;
XX WI; 2001-657177/75.
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
XX designed to detect single-nucleotide polymorphisms and cytosine
XX methylation status.
XX Claim 1; SEQ ID NO 50416; 29pp + Sequence Listing; German.
XX This invention describes novel oligonucleotide primers or peptide nucleic
XX acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
XX and cytosine methylation status in chemically pretreated genomic DNA. The
XX oligonucleotides are used for diagnosis and/or prognosis of cancer and a
XX range of diseases including immune system, gastrointestinal, respiratory,
XX central nervous system, cardiovascular and metabolic disorders. The
XX oligomers are also used for detecting cell type differentiation. ABC00010
XX -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
XX represent the oligomers described in the invention. NOTE: The sequence
XX data for this patent did not form part of the printed specification, but
XX was obtained in electronic format from WIPO at
XX ftp.wipo.int/pub/published_pct_sequences
XX Sequence 13 BP; 10 A; 3 C; 0 G; 0 T; 0 U; 0 Other;
Query Match 12.9%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 1.3e+03;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 908 TTTTCTTTTGT 918
Db 11 TTTTCTTTTGT 11
```

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OS Homo sapiens.
XX WO200177384-A2.
XX
XX 18-OCT-2001.
XX
XX 06-APR-2001; 2001WO-IB0000713.
XX
XX 07-APR-2000; 2000DE-01019173.
XX
XX (EPIG-) EPIGENOMICS AG.
XX
XX Olek A, Piepenbrock C, Berlin K;
XX
XX WPI; 2001-657177/75.
XX
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
XX designed to detect single-nucleotide polymorphisms and cytosine
XX methylation status.
XX
XX Claim 1; SEQ ID NO 28277; 29pp + Sequence Listing; German.
XX
XX This invention describes novel oligonucleotide primers or peptide nucleic
XX acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
XX and cytosine methylation status in chemically pretreated genomic DNA. The
XX oligonucleotides are used for diagnosis and/or prognosis of cancer and a
XX range of diseases including immune system, gastrointestinal, respiratory,
XX central nervous system, cardiovascular and metabolic disorders. The
XX oligomers are also used for detecting cell type differentiation. ABC00010
XX -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
XX represent the oligomers described in the invention. NOTE: The sequence
XX data for this patent did not form part of the printed specification, but
XX was obtained in electronic format from WIPO at
XX ftp.wipo.int/pub/published_pct_sequences
XX
XX Sequence 13 BP; 1 A; 0 C; 4 G; 8 T; 0 U; 0 Other;
XX
XX Query Match 12.9%; Score 9.4; DB 1; Length 13;
XX Best Local Similarity 90.9%; Pred. No. 1.3e+03;
XX Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
XX
QY 940 TTCATTGGTTT 950
DB 3 TTATTGGTTT 13
||| |||||
||| |||||

RESULT 1754
ABC28610
ID ABC28610 standard; DNA; 13 BP.
XX
XX ABC28610;
XX
XX 20-FEB-2002 (first entry)
XX
XX Oligonucleotide SEQ ID NO 28627 for detecting SNP TSC0008250.
XX
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
XX Homo sapiens.
XX
XX WO200177384-A2.
XX
XX 18-OCT-2001.
XX
XX 06-APR-2001; 2001WO-IB0000713.
XX
XX 07-APR-2000; 2000DE-01019173.
XX
XX (EPIG-) EPIGENOMICS AG.
XX
XX Olek A, Piepenbrock C, Berlin K;
XX
XX WPI; 2001-657177/75.
XX
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
XX designed to detect single-nucleotide polymorphisms and cytosine
XX methylation status.
XX
XX Claim 1; SEQ ID NO 28277; 29pp + Sequence Listing; German.
XX
XX This invention describes novel oligonucleotide primers or peptide nucleic
XX acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
XX and cytosine methylation status in chemically pretreated genomic DNA. The
XX oligonucleotides are used for diagnosis and/or prognosis of cancer and a
XX range of diseases including immune system, gastrointestinal, respiratory,
XX central nervous system, cardiovascular and metabolic disorders. The
XX oligomers are also used for detecting cell type differentiation. ABC00010
XX -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
XX represent the oligomers described in the invention. NOTE: The sequence
XX data for this patent did not form part of the printed specification, but
XX was obtained in electronic format from WIPO at
XX ftp.wipo.int/pub/published_pct_sequences
XX
XX Sequence 13 BP; 1 A; 0 C; 4 G; 8 T; 0 U; 0 Other;
XX
XX Query Match 12.9%; Score 9.4; DB 1; Length 13;
XX Best Local Similarity 90.9%; Pred. No. 1.3e+03;
XX Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
XX
QY 940 TTCATTGGTTT 950
DB 3 TTATTGGTTT 13
||| |||||
||| |||||

RESULT 1755
ABC31427/C
ID ABC31427 standard; DNA; 13 BP.
XX
XX ABC31427;
XX
XX 20-FEB-2002 (first entry)
XX
XX Oligonucleotide SEQ ID NO 31444 for detecting SNP TSC0009724.
XX
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
XX Homo sapiens.
XX
XX WO200177384-A2.
XX
XX 18-OCT-2001.
XX
XX 06-APR-2001; 2001WO-IB0000713.
XX
XX 07-APR-2000; 2000DE-01019173.
XX
XX (EPIG-) EPIGENOMICS AG.
XX
XX Olek A, Piepenbrock C, Berlin K;
XX
XX WPI; 2001-657177/75.
XX
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
XX designed to detect single-nucleotide polymorphisms and cytosine
XX methylation status.
XX
XX Claim 1; SEQ ID NO 31444; 29pp + Sequence Listing; German.
XX
XX This invention describes novel oligonucleotide primers or peptide nucleic
XX acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
XX and cytosine methylation status in chemically pretreated genomic DNA. The
XX oligonucleotides are used for diagnosis and/or prognosis of cancer and a
XX range of diseases including immune system, gastrointestinal, respiratory,
XX central nervous system, cardiovascular and metabolic disorders. The
XX oligomers are also used for detecting cell type differentiation. ABC00010
XX -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
XX represent the oligomers described in the invention. NOTE: The sequence
XX data for this patent did not form part of the printed specification, but
XX was obtained in electronic format from WIPO at
XX ftp.wipo.int/pub/published_pct_sequences
XX
XX Sequence 13 BP; 3 A; 1 C; 1 G; 7 T; 0 U; 1 Other;
XX
XX Query Match 12.9%; Score 9.4; DB 1; Length 13;
XX Best Local Similarity 76.9%; Pred. No. 1.3e+03;
XX Matches 10; Conservative 1; Mismatches 2; Indels 0; Gaps 0;
XX
QY 941 TCATTGGTTTAAAT 953
DB 1 TTATTGGTTTAAAY 13
||| |||||
||| |||||

```

CC range of diseases including immune system, gastrointestinal, respiratory,
 CC central nervous system, cardiovascular and metabolic disorders. The
 CC oligomers are also used for detecting cell type differentiation. ABC00010
 CC -ABG9989, ABF00010-ABF9989, ABH00010-ABH9989 and ABI00010-ABI82073
 CC represent the oligomers described in the invention. NOTE: The sequence
 CC data for this patent did not form part of the printed specification, but
 CC was obtained in electronic format from WIPO at
 CC ftp.wipo.int/pub/published_pct_sequences

XX Sequence 13 BP; 10 A; 2 C; 0 G; 1 T; 0 U; 0 Other;

Query Match 12.9%; Score 9.4; DB 1; Length 13;
 Best Local Similarity 90.9%; Pred. No. 1.3e+03;
 Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 908 TTTTCTTGGT 918

DB 12 TTTTCTTGGT 2

RESULT 1756

ABC81439

ID ABC81439 standard; DNA; 13 BP.

XX ABC81439;

DT 21-FEB-2002 (first entry)

DE Oligonucleotide SEQ ID NO 81456 for detecting SNP TSC0020625.

XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
 KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
 KW central nervous system; gastrointestinal; respiratory; immune; metabolic.

OS Homo sapiens.

PN WO200177384-A2.

PD 18-OCT-2001.

PF 06-APR-2001; 2001WO-IB000713.

PR 07-APR-2000; 2000DE-01019173.

PA (EPIG-) EPIGENOMICS AG.

PI Olek A, Piepenbrock C, Berlin K;

XX WPI; 2001-657177/75.

XX Set of oligonucleotides, useful for diagnosis and cell typing, is
 PT designed to detect single-nucleotide polymorphisms and cytosine
 PT methylation status.

PS Claim 1; SEQ ID NO 81456; 29pp + Sequence Listing; German.

CC This invention describes novel oligonucleotide primers or peptide nucleic
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
 CC and cytosine methylation status in chemically pretreated genomic DNA. The
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
 CC range of diseases including immune system, gastrointestinal, respiratory,
 CC central nervous system, cardiovascular and metabolic disorders. The
 CC oligomers are also used for detecting cell type differentiation. ABC00010
 CC -ABG9989, ABF00010-ABF9989, ABH00010-ABH9989 and ABI00010-ABI82073
 CC represent the oligomers described in the invention. NOTE: The sequence
 CC data for this patent did not form part of the printed specification, but
 CC was obtained in electronic format from WIPO at
 CC ftp.wipo.int/pub/published_pct_sequences

SQ Sequence 13 BP; 2 A; 4 C; 0 G; 7 T; 0 U; 0 Other;

Query Match 12.9%; Score 9.4; DB 1; Length 13;
 Best Local Similarity 90.9%; Pred. No. 1.3e+03;

Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
 QY 935 TCCTCTTCATT 945
 DB 1 TCACATTCATT 11

RESULT 1757

ABC09266/C

ID ABC09266 standard; DNA; 13 BP.

XX ABC09266;

DT 20-FEB-2002 (first entry)

DE Oligonucleotide SEQ ID NO 9257 for detecting SNP TSC0002455.

XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
 KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
 KW central nervous system; gastrointestinal; respiratory; immune; metabolic.

OS Homo sapiens.

PN WO200177384-A2.

PD 18-OCT-2001.

PF 06-APR-2001; 2001WO-IB000713.

PR 07-APR-2000; 2000DE-01019173.

PA (EPIG-) EPIGENOMICS AG.

PI Olek A, Piepenbrock C, Berlin K;

XX WPI; 2001-657177/75.

XX Set of oligonucleotides, useful for diagnosis and cell typing, is
 PT designed to detect single-nucleotide polymorphisms and cytosine
 PT methylation status.

PS Claim 1; SEQ ID NO 9257; 29pp + Sequence Listing; German.

CC This invention describes novel oligonucleotide primers or peptide nucleic
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
 CC and cytosine methylation status in chemically pretreated genomic DNA. The
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
 CC range of diseases including immune system, gastrointestinal, respiratory,
 CC central nervous system, cardiovascular and metabolic disorders. The
 CC oligomers are also used for detecting cell type differentiation. ABC00010
 CC -ABG9989, ABF00010-ABF9989, ABH00010-ABH9989 and ABI00010-ABI82073
 CC represent the oligomers described in the invention. NOTE: The sequence
 CC data for this patent did not form part of the printed specification, but
 CC was obtained in electronic format from WIPO at
 CC ftp.wipo.int/pub/published_pct_sequences

SQ Sequence 13 BP; 5 A; 0 C; 7 G; 1 T; 0 U; 0 Other;

Query Match 12.9%; Score 9.4; DB 1; Length 13;
 Best Local Similarity 90.9%; Pred. No. 1.3e+03;
 Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 927 TTTATCCCTCC 937

DB 13 TTTCTCCCTCC 3

RESULT 1758

ABF09126

ID ABF09126 standard; DNA; 13 BP.

XX ABF09126;

PT methylation status.
XX Claim 1; SEQ ID NO 61983; 29pp + Sequence Listing; German.
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 13 BP; 4 A; 0 C; 5 G; 4 T; 0 U; 0 Other;

Query Match 12.9%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 1.3e+03;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 929 TATCCCTCTCTC 939
Db 11 TATCCCTCTATC 1

RESULT 1761
ABF12306
ID ABF12306 standard; DNA; 13 BP.
XX
XX AC ABF12306;
XX
XX 21-FEB-2002 (first entry)
XX
XX Oligonucleotide SEQ ID NO 112303 for detecting SNP TSC028066.
XX
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
XX Homo sapiens.
XX
XX WO200177384-A2.
XX
XX 18-OCT-2001.
XX
XX 06-APR-2001; 2001WO-IB000713.
XX
XX 07-APR-2000; 2000DE-01019173.
XX
XX (EPIG-) EPIGENOMICS AG.
XX
XX Olek A, Piepenbrock C, Berlin K;
XX
XX WPI; 2001-657177/75.
XX
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
XX designed to detect single-nucleotide polymorphisms and cytosine
XX methylation status.
XX
XX Claim 1; SEQ ID NO 112303; 29pp + Sequence Listing; German.
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence

CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 13 BP; 4 A; 0 C; 2 G; 6 T; 0 U; 1 Other;

Query Match 12.9%; Score 9.4; DB 1; Length 13;
Best Local Similarity 76.9%; Pred. No. 1.3e+03;
Matches 10; Conservative 1; Mismatches 2; Indels 0; Gaps 0;

QY 946 GGTTAATGATC 958
Db 1 GTTATAATGATY 13

RESULT 1762
ABC39011/c
ID ABC39011 standard; DNA; 13 BP.
XX
XX AC ABC39011;
XX
XX 20-FEB-2002 (first entry)
XX
XX Oligonucleotide SEQ ID NO 39028 for detecting SNP TSC0011997.
XX
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
XX Homo sapiens.
XX
XX WO200177384-A2.
XX
XX 18-OCT-2001.
XX
XX 06-APR-2001; 2001WO-IB000713.
XX
XX 07-APR-2000; 2000DE-01019173.
XX
XX (EPIG-) EPIGENOMICS AG.
XX
XX Olek A, Piepenbrock C, Berlin K;
XX
XX WPI; 2001-657177/75.
XX
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
XX designed to detect single-nucleotide polymorphisms and cytosine
XX methylation status.
XX
XX Claim 1; SEQ ID NO 39028; 29pp + Sequence Listing; German.
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 13 BP; 8 A; 4 C; 0 G; 1 T; 0 U; 0 Other;

Query Match 12.9%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 1.3e+03;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 907 ATTTTCCTTGG 917
Db 12 ATTTTCCTTGG 2

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RESULT 1763
ABC3900/c
ID ABC39900 standard; DNA; 13 BP.
XX
XX
AC ABC39900;
XX
DT 20-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 39917 for detecting SNP TSC0012171.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
PI WPI; 2001-657177/75.
XX
PT Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
XX
XX Claim 1; SEQ ID NO 39917; 29pp + Sequence Listing; German.
XX
XX This invention describes novel oligonucleotide primers or peptide nucleic
XX acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
XX and cytosine methylation status in chemically pretreated genomic DNA. The
XX oligonucleotides are used for diagnosis and/or prognosis of cancer and a
XX range of diseases including immune system, gastrointestinal, respiratory,
XX central nervous system, cardiovascular and metabolic disorders. The
XX oligomers are also used for detecting cell type differentiation. ABC00010
XX -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
XX represent the oligomers described in the invention. NOTE: The sequence
XX data for this patent did not form part of the printed specification, but
XX was obtained in electronic format from WIPO at
XX ftp.wipo.int/pub/published_pct_sequences
XX
XX Sequence 13 BP; 4 A; 1 C; 5 G; 2 T; 0 U; 1 Other;
XX
XX Query Match 12.9%; Score 9.4; DB 1; Length 13;
XX Best Local Similarity 90.9%; Pred. No. 1.3e+03;
XX Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
XX
QY 930 ATCCCTCCTCT 940
DB 11 ATCCGTCCTCT 1
XX
RESULT 1764
ABC65327/c
ID ABC65327 standard; DNA; 13 BP.
XX
XX
AC ABC65327;
XX
DT 21-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 65344 for detecting SNP TSC0017207.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;

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KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
PI WPI; 2001-657177/75.
XX
PT Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
XX
XX Claim 1; SEQ ID NO 65344; 29pp + Sequence Listing; German.
XX
XX This invention describes novel oligonucleotide primers or peptide nucleic
XX acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
XX and cytosine methylation status in chemically pretreated genomic DNA. The
XX oligonucleotides are used for diagnosis and/or prognosis of cancer and a
XX range of diseases including immune system, gastrointestinal, respiratory,
XX central nervous system, cardiovascular and metabolic disorders. The
XX oligomers are also used for detecting cell type differentiation. ABC00010
XX -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
XX represent the oligomers described in the invention. NOTE: The sequence
XX data for this patent did not form part of the printed specification, but
XX was obtained in electronic format from WIPO at
XX ftp.wipo.int/pub/published_pct_sequences
XX
XX Sequence 13 BP; 8 A; 2 C; 0 G; 2 T; 0 U; 1 Other;
XX
XX Query Match 12.9%; Score 9.4; DB 1; Length 13;
XX Best Local Similarity 90.9%; Pred. No. 1.3e+03;
XX Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
XX
QY 941 TCATTGCTTTA 951
DB 13 TTATTGCTTTA 3
XX
RESULT 1765
ABC41694
ID ABC41694 standard; DNA; 13 BP.
XX
XX
AC ABC41694;
XX
DT 21-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 41711 for detecting SNP TSC0012510.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX

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PA (EPiG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
DR WPI; 2001-657177/75.
XX
PT Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
XX Claim 1; SEQ ID NO 41711; 29pp + Sequence Listing; German.
XX
XX This invention describes novel oligonucleotide primers or peptide nucleic
XX acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
XX and cytosine methylation status in chemically pretreated genomic DNA. The
XX oligonucleotides are used for diagnosis and/or prognosis of cancer and a
XX range of diseases including immune system, gastrointestinal, respiratory,
XX central nervous system, cardiovascular and metabolic disorders. The
XX oligomers are also used for detecting cell type differentiation. ABC00010
XX -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
XX represent the oligomers described in the invention. NOTE: The sequence
XX data for this patent did not form part of the printed specification, but
XX was obtained in electronic format from WIPO at
XX ftp.wipo.int/pub/published_pct_sequences
XX
XX Sequence 13 BP; 1 A; 0 C; 3 G; 8 T; 0 U; 1 Other;
XX
XX Query Match 12.9%; Score 9.4; DB 1; Length 13;
XX Best Local Similarity 90.9%; Pred. No. 1.3e+03;
XX Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
XX
QY 908 TTTTCTTTGGT 918
DB 1 TTTTGTGGT 11
XX
RESULT 1766
ABF22105
ID ABF22105 standard; DNA; 13 BP.
XX
AC ABF22105;
XX
XX 21-FEB-2002 (first entry)
XX
XX Oligonucleotide SEQ ID NO 122102 for detecting SNP TSC030522.
XX
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
XX Homo sapiens.
XX
XX WO200177384-A2.
XX
XX 18-OCT-2001.
XX
XX 06-APR-2001; 2001WO-IB000713.
XX
XX 07-APR-2000; 2000DE-01019173.
XX
XX (EPiG-) EPIGENOMICS AG.
XX
XX Olek A, Piepenbrock C, Berlin K;
XX
XX WPI; 2001-657177/75.
XX
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
XX designed to detect single-nucleotide polymorphisms and cytosine
XX methylation status.
XX
XX Claim 1; SEQ ID NO 122102; 29pp + Sequence Listing; German.
XX
XX This invention describes novel oligonucleotide primers or peptide nucleic
XX acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
XX and cytosine methylation status in chemically pretreated genomic DNA. The
XX oligonucleotides are used for diagnosis and/or prognosis of cancer and a
XX range of diseases including immune system, gastrointestinal, respiratory,
XX central nervous system, cardiovascular and metabolic disorders. The
XX oligomers are also used for detecting cell type differentiation. ABC00010
XX -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
XX represent the oligomers described in the invention. NOTE: The sequence
XX data for this patent did not form part of the printed specification, but
XX was obtained in electronic format from WIPO at
XX ftp.wipo.int/pub/published_pct_sequences
XX
XX Sequence 13 BP; 4 A; 4 C; 1 G; 3 T; 0 U; 1 Other;
XX
XX Query Match 12.9%; Score 9.4; DB 1; Length 13;
XX Best Local Similarity 90.9%; Pred. No. 1.3e+03;
XX Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
XX
QY 957 TCGTACCAAC 967
DB 3 TCGATACCAAC 13
XX
RESULT 1767
ABF25460
ID ABF25460 standard; DNA; 13 BP.
XX
AC ABF25460;
XX
XX 21-FEB-2002 (first entry)
XX
XX Oligonucleotide SEQ ID NO 125457 for detecting SNP TSC0031370.
XX
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
XX Homo sapiens.
XX
XX WO200177384-A2.
XX
XX 18-OCT-2001.
XX
XX 06-APR-2001; 2001WO-IB000713.
XX
XX 07-APR-2000; 2000DE-01019173.
XX
XX (EPiG-) EPIGENOMICS AG.
XX
XX Olek A, Piepenbrock C, Berlin K;
XX
XX WPI; 2001-657177/75.
XX
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
XX designed to detect single-nucleotide polymorphisms and cytosine
XX methylation status.
XX
XX Claim 1; SEQ ID NO 125457; 29pp + Sequence Listing; German.
XX
XX This invention describes novel oligonucleotide primers or peptide nucleic
XX acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
XX and cytosine methylation status in chemically pretreated genomic DNA. The
XX oligonucleotides are used for diagnosis and/or prognosis of cancer and a
XX range of diseases including immune system, gastrointestinal, respiratory,
XX central nervous system, cardiovascular and metabolic disorders. The
XX oligomers are also used for detecting cell type differentiation. ABC00010
XX -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
XX represent the oligomers described in the invention. NOTE: The sequence
XX data for this patent did not form part of the printed specification, but
XX was obtained in electronic format from WIPO at
XX ftp.wipo.int/pub/published_pct_sequences
XX
XX Sequence 13 BP; 4 A; 0 C; 2 G; 7 T; 0 U; 0 Other;
XX

```

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Query Match      12.9%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 1.3e+03;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 943 ATTGGTTTAA 953
Db 2 ATTGGATTAA 12

RESULT 1768
ABF27232
ID ABF27232 standard; DNA; 13 BP.
XX
AC ABF27232;
XX
DT 21-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 127229 for detecting SNP TSC0031843.
XX
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
XX WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
XX WPI; 2001-657177/75.
XX
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
XX designed to detect single-nucleotide polymorphisms and cytosine
XX methylation status.
XX
XX Claim 1; SEQ ID NO 127229; 29pp + Sequence Listing; German.
XX
XX This invention describes novel oligonucleotide primers or peptide nucleic
XX acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
XX and cytosine methylation status in chemically pretreated genomic DNA. The
XX oligonucleotides are used for diagnosis and/or prognosis of cancer and a
XX range of diseases including immune system, gastrointestinal, respiratory,
XX central nervous system, cardiovascular and metabolic disorders. The
XX oligomers are also used for detecting cell type differentiation. ABC00010
XX -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
XX represent the oligomers described in the invention. NOTE: The sequence
XX data for this patent did not form part of the printed specification, but
XX ftp.wipo.int/pub/published_pct_sequences
XX
XX Sequence 13 BP; 3 A; 1 C; 4 G; 5 T; 0 U; 0 Other;
XX
XX This invention describes novel oligonucleotide primers or peptide nucleic
XX acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
XX and cytosine methylation status in chemically pretreated genomic DNA. The
XX oligonucleotides are used for diagnosis and/or prognosis of cancer and a
XX range of diseases including immune system, gastrointestinal, respiratory,
XX central nervous system, cardiovascular and metabolic disorders. The
XX oligomers are also used for detecting cell type differentiation. ABC00010
XX -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
XX represent the oligomers described in the invention. NOTE: The sequence
XX data for this patent did not form part of the printed specification, but
XX ftp.wipo.int/pub/published_pct_sequences
XX
XX Sequence 13 BP; 3 A; 1 C; 4 G; 5 T; 0 U; 0 Other;

Query Match      12.9%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 1.3e+03;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 942 CATTGGTTTAA 952
Db 2 CGTTGGTTTAA 12

RESULT 1769
ABF37359/c
ID ABF37359 standard; DNA; 13 BP.

```

```

XX ABF37359;
XX
XX 21-FEB-2002 (first entry)
XX
XX Oligonucleotide SEQ ID NO 137356 for detecting SNP TSC0034314.
XX
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
XX Homo sapiens.
XX
XX WO200177384-A2.
XX
XX 18-OCT-2001.
XX
XX 06-APR-2001; 2001WO-IB000713.
XX
XX 07-APR-2000; 2000DE-01019173.
XX
XX (EPIG-) EPIGENOMICS AG.
XX
XX Olek A, Piepenbrock C, Berlin K;
XX
XX WPI; 2001-657177/75.
XX
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
XX designed to detect single-nucleotide polymorphisms and cytosine
XX methylation status.
XX
XX Claim 1; SEQ ID NO 137356; 29pp + Sequence Listing; German.
XX
XX This invention describes novel oligonucleotide primers or peptide nucleic
XX acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
XX and cytosine methylation status in chemically pretreated genomic DNA. The
XX oligonucleotides are used for diagnosis and/or prognosis of cancer and a
XX range of diseases including immune system, gastrointestinal, respiratory,
XX central nervous system, cardiovascular and metabolic disorders. The
XX oligomers are also used for detecting cell type differentiation. ABC00010
XX -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
XX represent the oligomers described in the invention. NOTE: The sequence
XX data for this patent did not form part of the printed specification, but
XX ftp.wipo.int/pub/published_pct_sequences
XX
XX Sequence 13 BP; 9 A; 3 C; 1 G; 0 T; 0 U; 0 Other;

Query Match      12.9%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 1.3e+03;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 908 TTTTCTTTGGT 918
Db 12 TTTTCTTTGGT 2

RESULT 1770
ABF67682/c
ID ABF67682 standard; DNA; 13 BP.
XX
XX ABF67682;
XX
XX 22-FEB-2002 (first entry)
XX
XX Oligonucleotide SEQ ID NO 167679 for detecting SNP TSC0041967.
XX
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
XX Homo sapiens.
XX

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CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
SQ Sequence 13 BP; 4 A; 3 C; 1 G; 5 T; 0 U; 0 Other;

Query Match 12.9%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 1.3e+03;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 955 TATCGCTACCA 965
DB 1 TATCGCTATCA 11
|||||

RESULT 1773
ABF47485
ID ABF47485 standard; DNA; 13 BP.

AC ABF47485;

XX 21-FEB-2002 (first entry)

DE Oligonucleotide SEQ ID NO 147482 for detecting SNP TSC0037259.

XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
XX Homo sapiens.

OS WO200177384-A2.

XX 18-OCT-2001.

XX 06-APR-2001; 2001WO-IB000713.

XX 07-APR-2000; 2000DE-01019173.

XX (EPIG-) EPIGENOMICS AG.

XX Olek A, Piepenbrock C, Berlin K;

XX WPI; 2001-657177/75.

XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.

PS Claim 1; SEQ ID NO 147482; 29pp + Sequence Listing; German.

XX This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences

XX Sequence 13 BP; 5 A; 4 C; 0 G; 4 T; 0 U; 0 Other;

Query Match 12.9%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 1.3e+03;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 956 ATCGCTACCAA 966
DB 3 ATCTCTACCAA 13
|||||

RESULT 1774

ABH24254

ID ABH24254 standard; DNA; 13 BP.

AC ABH24254;

XX 22-FEB-2002 (first entry)

DE Oligonucleotide SEQ ID NO 224231 for detecting SNP TSC0054640.

XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
XX Homo sapiens.

OS WO200177384-A2.

XX 18-OCT-2001.

XX 06-APR-2001; 2001WO-IB000713.

XX 07-APR-2000; 2000DE-01019173.

XX (EPIG-) EPIGENOMICS AG.

XX Olek A, Piepenbrock C, Berlin K;

XX WPI; 2001-657177/75.

XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.

PS Claim 1; SEQ ID NO 224231; 29pp + Sequence Listing; German.

XX This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences

XX Sequence 13 BP; 1 A; 1 C; 4 G; 7 T; 0 U; 0 Other;

Query Match 12.9%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 1.3e+03;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 908 TTTTCCTTGGT 918

DB 2 TTTTCCTTGGT 12
|||||

RESULT 1775

ABH26487/c

ID ABH26487 standard; DNA; 13 BP.

AC ABH26487;

XX 22-FEB-2002 (first entry)

XX

```
DE Oligonucleotide SEQ ID NO 226464 for detecting SNP TSC0055199.
XX
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
XX WO200177384-A2.
XX
XX 18-OCT-2001.
XX
XX 06-APR-2001; 2001WO-IB000713.
XX
XX 07-APR-2000; 2000DE-01019173.
XX
XX (EPIG-) EPIGENOMICS AG.
XX
XX Olek A, Piepenbrock C, Berlin K;
XX
XX WPI; 2001-657177/75.
XX
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
XX designed to detect single-nucleotide polymorphisms and cytosine
XX methylation status.
XX
XX Claim 1; SEQ ID NO 226464; 29pp + Sequence Listing; German.
XX
XX This invention describes novel oligonucleotide primers or peptide nucleic
XX acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
XX and cytosine methylation status in chemically pretreated genomic DNA. The
XX oligonucleotides are used for diagnosis and/or prognosis of cancer and a
XX range of diseases including immune system, gastrointestinal, respiratory,
XX central nervous system, cardiovascular and metabolic disorders. The
XX oligomers are also used for detecting cell type differentiation. ABC00010
XX -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
XX represent the oligomers described in the invention. NOTE: The sequence
XX data for this patent did not form part of the printed specification, but
XX was obtained in electronic format from WIPO at
XX ftp.wipo.int/pub/published_pct_sequences
XX
XX Sequence 13 BP; 8 A; 2 C; 0 G; 3 T; 0 U; 0 Other;
XX
XX Query Match 12.9%; Score 9.4; DB 1; Length 13;
XX Best Local Similarity 90.9%; Pred. No. 1.3e+03;
XX Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
XX
XX QY 947 GTTTAATCTAT 957
XX
XX Db 13 GTTTAATCTTT 3
XX
XX RESULT 1776
XX ABH04046
XX ID ABH04046 standard; DNA; 13 BP.
XX
XX AC ABH04046;
XX
XX 22-FEB-2002 (first entry)
XX
XX Oligonucleotide SEQ ID NO 204023 for detecting SNP TSC0008066.
XX
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
XX Homo sapiens.
XX
XX WO200177384-A2.
XX
XX 18-OCT-2001.
XX
XX 06-APR-2001; 2001WO-IB000713.
XX
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XX 07-APR-2000; 2000DE-01019173.
XX
XX (EPIG-) EPIGENOMICS AG.
XX
XX Olek A, Piepenbrock C, Berlin K;
XX
XX WPI; 2001-657177/75.
XX
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
XX designed to detect single-nucleotide polymorphisms and cytosine
XX methylation status.
XX
XX Claim 1; SEQ ID NO 204023; 29pp + Sequence Listing; German.
XX
XX This invention describes novel oligonucleotide primers or peptide nucleic
XX acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
XX and cytosine methylation status in chemically pretreated genomic DNA. The
XX oligonucleotides are used for diagnosis and/or prognosis of cancer and a
XX range of diseases including immune system, gastrointestinal, respiratory,
XX central nervous system, cardiovascular and metabolic disorders. The
XX oligomers are also used for detecting cell type differentiation. ABC00010
XX -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
XX represent the oligomers described in the invention. NOTE: The sequence
XX data for this patent did not form part of the printed specification, but
XX was obtained in electronic format from WIPO at
XX ftp.wipo.int/pub/published_pct_sequences
XX
XX Sequence 13 BP; 1 A; 0 C; 4 G; 8 T; 0 U; 0 Other;
XX
XX Query Match 12.9%; Score 9.4; DB 1; Length 13;
XX Best Local Similarity 90.9%; Pred. No. 1.3e+03;
XX Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
XX
XX QY 913 TTTGGTCTTTG 923
XX
XX Db 3 TTTGGTCTTTG 13
XX
XX RESULT 1777
XX ABF54250
XX ID ABF54250 standard; DNA; 13 BP.
XX
XX AC ABF54250;
XX
XX 21-FEB-2002 (first entry)
XX
XX Oligonucleotide SEQ ID NO 154247 for detecting SNP TSC0038983.
XX
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
XX Homo sapiens.
XX
XX WO200177384-A2.
XX
XX 18-OCT-2001.
XX
XX 06-APR-2001; 2001WO-IB000713.
XX
XX 07-APR-2000; 2000DE-01019173.
XX
XX (EPIG-) EPIGENOMICS AG.
XX
XX Olek A, Piepenbrock C, Berlin K;
XX
XX WPI; 2001-657177/75.
XX
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
XX designed to detect single-nucleotide polymorphisms and cytosine
XX methylation status.
XX
```

PS Claim 1; SEQ ID NO 154247; 29pp + Sequence Listing; German.

XX This invention describes novel oligonucleotide primers or peptide nucleic acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP) and cytosine methylation status in chemically pretreated genomic DNA. The oligonucleotides are used for diagnosis and/or prognosis of cancer and a range of diseases including immune system, gastrointestinal, respiratory, central nervous system, cardiovascular and metabolic disorders. The oligomers are also used for detecting cell type differentiation. ABC00010 -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073 represent the oligomers described in the invention. NOTE: The sequence data for this patent did not form part of the printed specification, but was obtained in electronic format from WIPO at ftp.wipo.int/pub/published_pct_sequences

XX SQ Sequence 13 BP; 2 A; 0 C; 3 G; 8 T; 0 U; 0 Other;

Query Match 12.9%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 1.3e+03;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 907 ATTTCCTTTGG 917
||||| |||||

Db 2 ATTTTITGG 12
||||| |||||

RESULT 1778
ABH32809
ID ABH32809 standard; DNA; 13 BP.

XX AC ABH32809;

XX DT 22-FEB-2002 (first entry)

XX DE Oligonucleotide SEQ ID NO 232786 for detecting SNP TSC0056790.

XX KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.

XX OS Homo sapiens.

XX PN WO200177384-A2.

XX PD 18-OCT-2001.

XX PF 06-APR-2001; 2001WO-IB000713.

XX PR 07-APR-2000; 2000DE-01019173.

XX PA (EPIC-) EPIGENOMICS AG.

XX PI Olek A, Piepenbrock C, Berlin K;

XX DR WPI; 2001-657177/75.

XX Set of oligonucleotides, useful for diagnosis and cell typing, is designed to detect single-nucleotide polymorphisms and cytosine methylation status.

XX PS Claim 1; SEQ ID NO 232786; 29pp + Sequence Listing; German.

XX This invention describes novel oligonucleotide primers or peptide nucleic acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP) and cytosine methylation status in chemically pretreated genomic DNA. The oligonucleotides are used for diagnosis and/or prognosis of cancer and a range of diseases including immune system, gastrointestinal, respiratory, central nervous system, cardiovascular and metabolic disorders. The oligomers are also used for detecting cell type differentiation. ABC00010 -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073 represent the oligomers described in the invention. NOTE: The sequence data for this patent did not form part of the printed specification, but was obtained in electronic format from WIPO at ftp.wipo.int/pub/published_pct_sequences

XX SQ Sequence 13 BP; 1 A; 1 C; 2 G; 8 T; 0 U; 1 Other;

Query Match 12.9%; Score 9.4; DB 1; Length 13;
Best Local Similarity 76.9%; Pred. No. 1.3e+03;
Matches 10; Conservative 1; Mismatches 2; Indels 0; Gaps 0;

QY 907 ATTTCCTTTGGTC 919
||||| |||||

Db 1 ATTTCCTTTGTG 13
||||| |||||

CC CC Claim 1; SEQ ID NO 158089; 29pp + Sequence Listing; German.

CC This invention describes novel oligonucleotide primers or peptide nucleic acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP) and cytosine methylation status in chemically pretreated genomic DNA. The oligonucleotides are used for diagnosis and/or prognosis of cancer and a range of diseases including immune system, gastrointestinal, respiratory, central nervous system, cardiovascular and metabolic disorders. The oligomers are also used for detecting cell type differentiation. ABC00010 -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073 represent the oligomers described in the invention. NOTE: The sequence data for this patent did not form part of the printed specification, but was obtained in electronic format from WIPO at ftp.wipo.int/pub/published_pct_sequences

CC SQ Sequence 13 BP; 4 A; 5 C; 0 G; 4 T; 0 U; 0 Other;

Query Match 12.9%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 1.3e+03;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 924 CCTTTTATCCC 934
||||| |||||

Db 2 CCTATTATCCC 12
||||| |||||

RESULT 1779
ABF58092
ID ABF58092 standard; DNA; 13 BP.

XX AC ABF58092;

XX DT 21-FEB-2002 (first entry)

XX DE Oligonucleotide SEQ ID NO 158089 for detecting SNP TSC0039821.

XX KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.

XX OS Homo sapiens.

XX PN WO200177384-A2.

XX PD 18-OCT-2001.

XX PF 06-APR-2001; 2001WO-IB000713.

XX PR 07-APR-2000; 2000DE-01019173.

XX PA (EPIC-) EPIGENOMICS AG.

XX PI Olek A, Piepenbrock C, Berlin K;

XX DR WPI; 2001-657177/75.

XX Set of oligonucleotides, useful for diagnosis and cell typing, is designed to detect single-nucleotide polymorphisms and cytosine methylation status.

XX PS Claim 1; SEQ ID NO 158089; 29pp + Sequence Listing; German.

XX This invention describes novel oligonucleotide primers or peptide nucleic acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP) and cytosine methylation status in chemically pretreated genomic DNA. The oligonucleotides are used for diagnosis and/or prognosis of cancer and a range of diseases including immune system, gastrointestinal, respiratory, central nervous system, cardiovascular and metabolic disorders. The oligomers are also used for detecting cell type differentiation. ABC00010 -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073 represent the oligomers described in the invention. NOTE: The sequence data for this patent did not form part of the printed specification, but was obtained in electronic format from WIPO at ftp.wipo.int/pub/published_pct_sequences

XX SQ Sequence 13 BP; 1 A; 1 C; 2 G; 8 T; 0 U; 1 Other;

Query Match 12.9%; Score 9.4; DB 1; Length 13;
Best Local Similarity 76.9%; Pred. No. 1.3e+03;
Matches 10; Conservative 1; Mismatches 2; Indels 0; Gaps 0;

QY 907 ATTTCCTTTGGTC 919
||||| |||||

Db 1 ATTTCCTTTGTG 13
||||| |||||


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RESULT 1780
ABH08558
ID ABH08558 standard; DNA; 13 BP.
XX AC ABH08558;
XX DT 22-FEB-2002 (first entry)
XX DE Oligonucleotide SEQ ID NO 208535 for detecting SNP TSC0050953.
XX KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX OS Homo sapiens.
XX PN WO200177384-A2.
XX PD 18-OCT-2001.
XX PF 06-APR-2001; 2001WO-IB000713.
XX PR 07-APR-2000; 2000DE-01019173.
XX PA (EPIG-) EPIGENOMICS AG.
XX PI Olek A, Piepenbrock C, Berlin K;
XX DR WPI; 2001-657177/75.
XX PT Set of oligonucleotides, useful for diagnosis and cell typing, is
designed to detect single-nucleotide polymorphisms and cytosine
methylation status.
XX PS Claim 1; SEQ ID NO 208535; 29pp + Sequence Listing; German.
XX CC This invention describes novel oligonucleotide primers or peptide nucleic
acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP).
The range of diseases including immune system, gastrointestinal, respiratory,
central nervous system, cardiovascular and metabolic disorders. The
oligomers are also used for detecting cell type differentiation. ABC00010
-ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
represent the oligomers described in the invention. NOTE: The sequence
data for this patent did not form part of the printed specification, but
was obtained in electronic format from WIPO at
ftp.wipo.int/pub/published_pct_sequences
XX SQ Sequence 13 BP; 1 A; 0 C; 3 G; 9 T; 0 U; 0 Other;
Query Match 12.9%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 1.3e+03;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
QY 913 TTTGCTCTTG 923
Db 2 TTTGCTTTTG 12
RESULT 1781
ABF84335/c
ID ABF84335 standard; DNA; 13 BP.
XX AC ABF84335;
XX DT 22-FEB-2002 (first entry)
XX DE Oligonucleotide SEQ ID NO 184332 for detecting SNP TSC0045489.
XX KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX OS Homo sapiens.
XX PN WO200177384-A2.
XX PD 18-OCT-2001.
XX PF 06-APR-2001; 2001WO-IB000713.
XX PR 07-APR-2000; 2000DE-01019173.
XX PA (EPIG-) EPIGENOMICS AG.
XX PI Olek A, Piepenbrock C, Berlin K;
XX DR WPI; 2001-657177/75.
XX PT Set of oligonucleotides, useful for diagnosis and cell typing, is
designed to detect single-nucleotide polymorphisms and cytosine
methylation status.
XX PS Claim 1; SEQ ID NO 208535; 29pp + Sequence Listing; German.
XX CC This invention describes novel oligonucleotide primers or peptide nucleic
acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP).
The range of diseases including immune system, gastrointestinal, respiratory,
central nervous system, cardiovascular and metabolic disorders. The
oligomers are also used for detecting cell type differentiation. ABC00010
-ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
represent the oligomers described in the invention. NOTE: The sequence
data for this patent did not form part of the printed specification, but
was obtained in electronic format from WIPO at
ftp.wipo.int/pub/published_pct_sequences
XX SQ Sequence 13 BP; 1 A; 0 C; 3 G; 9 T; 0 U; 0 Other;
Query Match 12.9%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 1.3e+03;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
QY 913 TTTGCTCTTG 923
Db 2 TTTGCTTTTG 12
RESULT 1782
ABF84808
ID ABF84808 standard; DNA; 13 BP.
XX AC ABF84808;
XX DT 22-FEB-2002 (first entry)
XX DE Oligonucleotide SEQ ID NO 184805 for detecting SNP TSC0045589.
XX KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX OS Homo sapiens.
XX PN WO200177384-A2.
XX PD 18-OCT-2001.
XX PF 06-APR-2001; 2001WO-IB000713.
XX PR 07-APR-2000; 2000DE-01019173.
XX PA (EPIG-) EPIGENOMICS AG.
XX PI Olek A, Piepenbrock C, Berlin K;
XX DR WPI; 2001-657177/75.
XX PT Set of oligonucleotides, useful for diagnosis and cell typing, is
designed to detect single-nucleotide polymorphisms and cytosine
methylation status.
XX PS Claim 1; SEQ ID NO 184332; 29pp + Sequence Listing; German.
XX CC This invention describes novel oligonucleotide primers or peptide nucleic
acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP).
The range of diseases including immune system, gastrointestinal, respiratory,
central nervous system, cardiovascular and metabolic disorders. The
oligomers are also used for detecting cell type differentiation. ABC00010
-ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
represent the oligomers described in the invention. NOTE: The sequence
data for this patent did not form part of the printed specification, but
was obtained in electronic format from WIPO at
ftp.wipo.int/pub/published_pct_sequences
XX SQ Sequence 13 BP; 8 A; 3 C; 1 G; 1 T; 0 U; 0 Other;
Query Match 12.9%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 1.3e+03;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
QY 920 TTTGCTTTTA 930
Db 11 TTTGCTTTTA 1
RESULT 1782
ABF84808
ID ABF84808 standard; DNA; 13 BP.
XX AC ABF84808;
XX DT 22-FEB-2002 (first entry)
XX DE Oligonucleotide SEQ ID NO 184805 for detecting SNP TSC0045589.
XX KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX OS Homo sapiens.
XX PN WO200177384-A2.
XX PD 18-OCT-2001.
XX PF 06-APR-2001; 2001WO-IB000713.
XX PR 07-APR-2000; 2000DE-01019173.
XX PA (EPIG-) EPIGENOMICS AG.
XX PI Olek A, Piepenbrock C, Berlin K;
XX DR WPI; 2001-657177/75.
XX PT Set of oligonucleotides, useful for diagnosis and cell typing, is
designed to detect single-nucleotide polymorphisms and cytosine
methylation status.
XX PS Claim 1; SEQ ID NO 184332; 29pp + Sequence Listing; German.
XX CC This invention describes novel oligonucleotide primers or peptide nucleic
acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP).
The range of diseases including immune system, gastrointestinal, respiratory,
central nervous system, cardiovascular and metabolic disorders. The
oligomers are also used for detecting cell type differentiation. ABC00010
-ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
represent the oligomers described in the invention. NOTE: The sequence
data for this patent did not form part of the printed specification, but
was obtained in electronic format from WIPO at
ftp.wipo.int/pub/published_pct_sequences
XX SQ Sequence 13 BP; 8 A; 3 C; 1 G; 1 T; 0 U; 0 Other;
```

PI Olek A, Piepenbrock C, Berlin K;
 XX WPI; 2001-657177/75.
 XX Set of oligonucleotides, useful for diagnosis and cell typing, is
 PT designed to detect single-nucleotide polymorphisms and cytosine
 PT methylation status.
 XX Claim 1; SEQ ID NO 184805; 29pp + Sequence Listing; German.
 XX This invention describes novel oligonucleotide primers or peptide nucleic
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
 CC and cytosine methylation status in chemically pretreated genomic DNA. The
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
 CC range of diseases including immune system, gastrointestinal, respiratory,
 CC central nervous system, cardiovascular and metabolic disorders. The
 CC oligomers are also used for detecting cell type differentiation. ABC00010
 CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
 CC represent the oligomers described in the invention. NOTE: The sequence
 CC data for this patent did not form part of the printed specification, but
 CC was obtained in electronic format from WIPO at
 CC ftp.wipo.int/pub/published_pct_sequences
 XX SQ Sequence 13 BP; 3 A; 1 C; 3 G; 5 T; 0 U; 1 Other;
 Query Match 12.9%; Score 9.4; DB 1; Length 13;
 Best Local Similarity 90.9%; Pred. No. 1.3e+03;
 Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
 QY 947 GTTAAATGAT 957
 DB 1 GTTAAACGAT 11
 RESULT 1783
 ABH36075/C
 ID ABH36075 standard; DNA; 13 BP.
 AC ABH36075;
 DT 22-FEB-2002 (first entry)
 DE Oligonucleotide SEQ ID NO 236052 for detecting SNP TSC0057616.
 XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
 KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
 KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
 XX Homo sapiens.
 OS WO200177384-A2.
 PN 18-OCT-2001.
 PD 06-APR-2001; 2001WO-IB000713.
 PF 07-APR-2000; 2000DE-01019173.
 PR (EPIG-) EPIGENOMICS AG.
 PA Olek A, Piepenbrock C, Berlin K;
 PI WPI; 2001-657177/75.
 XX Set of oligonucleotides, useful for diagnosis and cell typing, is
 PT designed to detect single-nucleotide polymorphisms and cytosine
 PT methylation status.
 XX Claim 1; SEQ ID NO 236052; 29pp + Sequence Listing; German.
 XX This invention describes novel oligonucleotide primers or peptide nucleic
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
 CC and cytosine methylation status in chemically pretreated genomic DNA. The
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
 CC range of diseases including immune system, gastrointestinal, respiratory,
 CC central nervous system, cardiovascular and metabolic disorders. The
 CC oligomers are also used for detecting cell type differentiation. ABC00010
 CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
 CC represent the oligomers described in the invention. NOTE: The sequence
 CC data for this patent did not form part of the printed specification, but
 CC was obtained in electronic format from WIPO at
 CC ftp.wipo.int/pub/published_pct_sequences
 XX SQ Sequence 13 BP; 3 A; 1 C; 3 G; 5 T; 0 U; 1 Other;
 Query Match 12.9%; Score 9.4; DB 1; Length 13;
 Best Local Similarity 90.9%; Pred. No. 1.3e+03;
 Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
 QY 947 GTTAAATGAT 957
 DB 1 GTTAAACGAT 11
 RESULT 1783
 ABH36075/C
 ID ABH36075 standard; DNA; 13 BP.
 AC ABH36075;
 DT 22-FEB-2002 (first entry)
 DE Oligonucleotide SEQ ID NO 236052 for detecting SNP TSC0057616.
 XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
 KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
 KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
 XX Homo sapiens.
 OS WO200177384-A2.
 PN 18-OCT-2001.
 PD 06-APR-2001; 2001WO-IB000713.
 PF 07-APR-2000; 2000DE-01019173.
 PR (EPIG-) EPIGENOMICS AG.
 PA Olek A, Piepenbrock C, Berlin K;
 PI WPI; 2001-657177/75.
 XX Set of oligonucleotides, useful for diagnosis and cell typing, is
 PT designed to detect single-nucleotide polymorphisms and cytosine
 PT methylation status.
 XX Claim 1; SEQ ID NO 236052; 29pp + Sequence Listing; German.
 XX This invention describes novel oligonucleotide primers or peptide nucleic
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
 CC and cytosine methylation status in chemically pretreated genomic DNA. The
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
 CC range of diseases including immune system, gastrointestinal, respiratory,
 CC central nervous system, cardiovascular and metabolic disorders. The
 CC oligomers are also used for detecting cell type differentiation. ABC00010
 CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
 CC represent the oligomers described in the invention. NOTE: The sequence
 CC data for this patent did not form part of the printed specification, but
 CC was obtained in electronic format from WIPO at
 CC ftp.wipo.int/pub/published_pct_sequences
 XX SQ Sequence 13 BP; 3 A; 1 C; 3 G; 5 T; 0 U; 1 Other;
 Query Match 12.9%; Score 9.4; DB 1; Length 13;
 Best Local Similarity 90.9%; Pred. No. 1.3e+03;
 Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
 QY 947 GTTAAATGAT 957
 DB 1 GTTAAACGAT 11
 RESULT 1784
 ABH37083
 ID ABH37083 standard; DNA; 13 BP.
 AC ABH37083;
 DT 22-FEB-2002 (first entry)
 DE Oligonucleotide SEQ ID NO 237060 for detecting SNP TSC0057828.
 XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
 KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
 KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
 XX Homo sapiens.
 OS WO200177384-A2.
 PN 18-OCT-2001.
 PD 06-APR-2001; 2001WO-IB000713.
 PF 07-APR-2000; 2000DE-01019173.
 PR (EPIG-) EPIGENOMICS AG.
 PA Olek A, Piepenbrock C, Berlin K;
 PI WPI; 2001-657177/75.
 XX Set of oligonucleotides, useful for diagnosis and cell typing, is
 PT designed to detect single-nucleotide polymorphisms and cytosine
 PT methylation status.
 XX Claim 1; SEQ ID NO 237060; 29pp + Sequence Listing; German.
 XX This invention describes novel oligonucleotide primers or peptide nucleic
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
 CC and cytosine methylation status in chemically pretreated genomic DNA. The
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
 CC range of diseases including immune system, gastrointestinal, respiratory,
 CC central nervous system, cardiovascular and metabolic disorders. The
 CC oligomers are also used for detecting cell type differentiation. ABC00010
 CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
 CC represent the oligomers described in the invention. NOTE: The sequence
 CC data for this patent did not form part of the printed specification, but
 CC was obtained in electronic format from WIPO at
 CC ftp.wipo.int/pub/published_pct_sequences
 XX SQ Sequence 13 BP; 3 A; 1 C; 3 G; 5 T; 0 U; 1 Other;
 Query Match 12.9%; Score 9.4; DB 1; Length 13;
 Best Local Similarity 90.9%; Pred. No. 1.3e+03;
 Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
 QY 940 TTCAATGGTTT 950
 DB 12 TTATTTGGTTT 2

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Best Local Similarity 90.9%; Pred. No. 1.3e+03; Mismatches 0; Indels 0; Gaps 0;
Matches 10; Conservative 0;

QY 960 CTACCAACGGT 970
   |||||
Db 2 CTACCAACGAT 12
   |||||

RESULT 1785
ABH12346
ID ABH12346 standard; DNA; 13 BP.
XX
AC ABH12346;
XX
DT 22-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 212323 for detecting SNP TSC0051719.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPiG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
DR WPI; 2001-657177/75.
XX
PT Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
PS Claim 1; SEQ ID NO 212323; 29pp + Sequence Listing; German.
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 13 BP; 1 A; 0 C; 3 G; 8 T; 0 U; 1 Other;
XX
Query Match 12.9%; Score 9.4; DB 1; Length 13;
Best Local Similarity 76.9%; Pred. No. 1.3e+03;
Matches 10; Conservative 1; Mismatches 2; Indels 0; Gaps 0;

QY 945 TGGTTAATGTAT 957
   |||||
Db 1 TGGTTTGTGTAY 13
   |||||

RESULT 1786
ABH41757
ID ABH41757 standard; DNA; 13 BP.
XX
AC ABH41757;
XX
DT 22-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 242136 for detecting SNP TSC0059061.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPiG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
DR WPI; 2001-657177/75.
XX
PT Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
PS Claim 1; SEQ ID NO 241734; 29pp + Sequence Listing; German.
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 13 BP; 0 A; 8 C; 0 G; 5 T; 0 U; 0 Other;
XX
Query Match 12.9%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 1.3e+03;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 931 TCCCTCCTCTT 941
   |||||
Db 1 TCCCTCCTCTT 11
   |||||

RESULT 1787
ABH42159
ID ABH42159 standard; DNA; 13 BP.
XX
AC ABH42159;
XX
DT 22-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 242136 for detecting SNP TSC0059061.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPiG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
DR WPI; 2001-657177/75.
XX
PT Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
PS Claim 1; SEQ ID NO 241734; 29pp + Sequence Listing; German.
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 13 BP; 0 A; 8 C; 0 G; 5 T; 0 U; 0 Other;
```


KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
XX Homo sapiens.
XX WO200177384-A2.
XX
XX 18-OCT-2001.
XX
XX 06-APR-2001; 2001WO-IB000713.
XX
XX 07-APR-2000; 2000DE-01019173.
XX
XX (EPIG-) EPIGENOMICS AG.
XX
XX Olek A, Piepenbrock C, Berlin K;
XX WPI; 2001-657177/75.
XX
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
XX Claim 1; SEQ ID NO 261561; 29pp + Sequence Listing; German.
XX
XX This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABH00010-ABH2073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
XX Sequence 13 BP; 6 A; 0 C; 5 G; 1 T; 0 U; 1 Other;
SQ
Query Match 12.9%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 1.3e+03;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
QY 927 TTTATCCCTCC 937
DB 12 TTTATCCCTCC 2
RESULT 1793
ABC45647
ID ABC45647 standard; DNA; 13 BP.
XX
XX ABC45647;
XX
XX 21-FEB-2002 (first entry)
XX
XX Oligonucleotide SEQ ID NO 45664 for detecting SNP TSC0013276.
XX
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
XX Homo sapiens.
XX
XX WO200177384-A2.
XX
XX 18-OCT-2001.
XX
XX 06-APR-2001; 2001WO-IB000713.
XX
XX 07-APR-2000; 2000DE-01019173.
PR

XX (EPIG-) EPIGENOMICS AG.
XX
XX Olek A, Piepenbrock C, Berlin K;
XX WPI; 2001-657177/75.
XX
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
XX Claim 1; SEQ ID NO 45664; 29pp + Sequence Listing; German.
XX
XX This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABH00010-ABH2073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
XX Sequence 13 BP; 4 A; 6 C; 0 G; 3 T; 0 U; 0 Other;
SQ
Query Match 12.9%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 1.3e+03;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
QY 957 TCGCTACCAAC 967
DB 1 TCGCTACCAAC 11
RESULT 1794
ABC49648
ID ABC49648 standard; DNA; 13 BP.
XX
XX ABC49648;
XX
XX 21-FEB-2002 (first entry)
XX
XX Oligonucleotide SEQ ID NO 49665 for detecting SNP TSC0014024.
XX
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
XX Homo sapiens.
XX
XX WO200177384-A2.
XX
XX 18-OCT-2001.
XX
XX 06-APR-2001; 2001WO-IB000713.
XX
XX 07-APR-2000; 2000DE-01019173.
XX
XX (EPIG-) EPIGENOMICS AG.
XX
XX Olek A, Piepenbrock C, Berlin K;
XX WPI; 2001-657177/75.
XX
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
XX Claim 1; SEQ ID NO 49665; 29pp + Sequence Listing; German.
XX

CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX

SQ Sequence 13 BP; 3 A; 0 C; 3 G; 7 T; 0 U; 0 Other;
Query Match 12.9%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 1.3e+03;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 941 TCATTGGTTTA 951
Db 3 TAAATGGTTTA 13

RESULT 1795
ABC50397/c
ID ABC50397 standard; DNA; 13 BP.
XX
AC ABC50397;
XX
DT 21-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 50414 for detecting SNP TSC0014174.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
WPI; 2001-657177/75.
XX
PT Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
PS Claim 1; SEQ ID NO 50414; 29pp + Sequence Listing; German.
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX

SQ Sequence 13 BP; 9 A; 3 C; 0 G; 1 T; 0 U; 0 Other;
Query Match 12.9%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 1.3e+03;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 908 TTTTCTTTGGT 918
Db 11 TTTTATTGGT 1

RESULT 1796
ABC50401/c
ID ABC50401 standard; DNA; 13 BP.
XX
AC ABC50401;
XX
DT 21-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 50418 for detecting SNP TSC0014174.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
WPI; 2001-657177/75.
XX
PT Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
PS Claim 1; SEQ ID NO 50418; 29pp + Sequence Listing; German.
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX

SQ Sequence 13 BP; 9 A; 4 C; 0 G; 0 T; 0 U; 0 Other;
Query Match 12.9%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 1.3e+03;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 908 TTTTCTTTGGT 918
Db 11 TTTTATTGGT 1

RESULT 1797
ABC76318

ID ABC76318 standard; DNA; 13 BP.
 XX AC ABC76318;
 XX DT 21-FEB-2002 (first entry)
 XX DE Oligonucleotide SEQ ID NO 76335 for detecting SNP TSC0019532.
 XX KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
 XX KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
 XX KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
 XX OS Homo sapiens.
 XX PN WO200177384-A2.
 XX PD 18-OCT-2001.
 XX PF 06-APR-2001; 2001WO-IB000713.
 XX PR 07-APR-2000; 2000DE-01019173.
 XX PA (EPG-) EPIGENOMICS AG.
 XX PI Olek A, Piepenbrock C, Berlin K;
 XX DR WPI; 2001-657177/75.
 XX PT Set of oligonucleotides, useful for diagnosis and cell typing, is
 PT designed to detect single-nucleotide polymorphisms and cytosine
 PT methylation status.
 XX PS Claim 1; SEQ ID NO 76335; 29pp + Sequence Listing; German.
 XX CC This invention describes novel oligonucleotide primers or peptide nucleic
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
 CC and cytosine methylation status in chemically pretreated genomic DNA. The
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
 CC range of diseases including immune system, gastrointestinal, respiratory,
 CC central nervous system, cardiovascular and metabolic disorders. The
 CC oligomers are also used for detecting cell type differentiation. ABC00010
 CC -ABG99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
 CC represent the oligomers described in the invention. NOTE: The sequence
 CC data for this patent did not form part of the printed specification, but
 CC was obtained in electronic format from WIPO at
 CC ftp.wipo.int/pub/published_pct_sequences
 XX SX Sequence 13 BP; 3 A; 0 C; 3 G; 6 T; 0 U; 1 Other;
 XX CC This invention describes novel oligonucleotide primers or peptide nucleic
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
 CC and cytosine methylation status in chemically pretreated genomic DNA. The
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
 CC range of diseases including immune system, gastrointestinal, respiratory,
 CC central nervous system, cardiovascular and metabolic disorders. The
 CC oligomers are also used for detecting cell type differentiation. ABC00010
 CC -ABG99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
 CC represent the oligomers described in the invention. NOTE: The sequence
 CC data for this patent did not form part of the printed specification, but
 CC was obtained in electronic format from WIPO at
 CC ftp.wipo.int/pub/published_pct_sequences
 XX SX Sequence 13 BP; 3 A; 0 C; 3 G; 6 T; 0 U; 1 Other;
 Query Match 12.9%; Score 9.4; DB 1; Length 13;
 Best Local Similarity 90.9%; Pred. No. 1.3e+03;
 Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
 QY 947 GTTAAATGAT 957
 DB 1 GGTAATGAT 11
 RESULT 1798
 ABC02863/C
 ID ABC02863 standard; DNA; 13 BP.
 XX AC ABC02863;
 XX DT 20-FEB-2002 (first entry)
 XX DE Oligonucleotide SEQ ID NO 2854 for detecting SNP TSC0001123.
 XX KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
 XX KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
 XX KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
 XX OS Homo sapiens.

XX PN WO200177384-A2.
 XX PD 18-OCT-2001.
 XX PF 06-APR-2001; 2001WO-IB000713.
 XX PR 07-APR-2000; 2000DE-01019173.
 XX PA (EPG-) EPIGENOMICS AG.
 XX PI Olek A, Piepenbrock C, Berlin K;
 XX DR WPI; 2001-657177/75.
 XX PT Set of oligonucleotides, useful for diagnosis and cell typing, is
 PT designed to detect single-nucleotide polymorphisms and cytosine
 PT methylation status.
 XX PS Claim 1; SEQ ID NO 2854; 29pp + Sequence Listing; German.
 XX CC This invention describes novel oligonucleotide primers or peptide nucleic
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
 CC and cytosine methylation status in chemically pretreated genomic DNA. The
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
 CC range of diseases including immune system, gastrointestinal, respiratory,
 CC central nervous system, cardiovascular and metabolic disorders. The
 CC oligomers are also used for detecting cell type differentiation. ABC00010
 CC -ABG99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
 CC represent the oligomers described in the invention. NOTE: The sequence
 CC data for this patent did not form part of the printed specification, but
 CC was obtained in electronic format from WIPO at
 CC ftp.wipo.int/pub/published_pct_sequences
 XX SX Sequence 13 BP; 6 A; 3 C; 0 G; 3 T; 0 U; 1 Other;
 Query Match 12.9%; Score 9.4; DB 1; Length 13;
 Best Local Similarity 76.3%; Pred. No. 1.3e+03;
 Matches 10; Conservative 1; Mismatches 2; Indels 0; Gaps 0;
 QY 945 TGGTTTAAATGAT 957
 DB 13 TGGTTTAAATGGAY 1
 RESULT 1799
 ABC27565
 ID ABC27565 standard; DNA; 13 BP.
 XX AC ABC27565;
 XX DT 20-FEB-2002 (first entry)
 XX DE Oligonucleotide SEQ ID NO 27582 for detecting SNP TSC0007684.
 XX KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
 XX KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
 XX KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
 XX OS Homo sapiens.
 XX PN WO200177384-A2.
 XX PD 18-OCT-2001.
 XX PF 06-APR-2001; 2001WO-IB000713.
 XX PR 07-APR-2000; 2000DE-01019173.
 XX PA (EPG-) EPIGENOMICS AG.
 XX PI Olek A, Piepenbrock C, Berlin K;

DR WPI; 2001-657177/75.
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
XX Claim 1; SEQ ID NO 27582; 29pp + Sequence Listing; German.
XX
XX This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
XX Sequence 13 BP; 3 A; 2 C; 0 G; 8 T; 0 U; 0 Other;
SQ
Query Match 12.9%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 1.3e+03;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
QY 920 TTTCCTTTTA 930
Db 2 TTTCCTTTTA 12
|||||
RESULT 1800
ABCS2857/c
ID ABCS2857 standard; DNA; 13 BP.
XX
XX ABCS2857;
XX
XX 21-FEB-2002 (first entry)
XX
XX Oligonucleotide SEQ ID NO 52874 for detecting SNP TSC0014630.
DE
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
XX Homo sapiens.
XX
XX WO200177384-A2.
XX
XX 18-OCT-2001.
XX
XX 06-APR-2001; 2001WO-IB000713.
XX
XX 07-APR-2000; 2000DE-01019173.
XX
XX (EPIG-) EPIGENOMICS AG.
XX
XX Olek A, Piepenbrock C, Berlin K;
XX
XX WPI; 2001-657177/75.
XX
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
XX Claim 1; SEQ ID NO 52874; 29pp + Sequence Listing; German.
XX
XX This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
XX Sequence 13 BP; 3 A; 2 C; 0 G; 8 T; 0 U; 0 Other;
SQ

CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
XX Sequence 13 BP; 9 A; 2 C; 0 G; 1 T; 0 U; 1 Other;
SQ
Query Match 12.9%; Score 9.4; DB 1; Length 13;
Best Local Similarity 76.9%; Pred. No. 1.3e+03;
Matches 10; Conservative 1; Mismatches 2; Indels 0; Gaps 0;
QY 902 TGGTCATTTTCTT 914
Db 13 TGGTATTTT 1
|||||
RESULT 1801
ABCS4129/c
ID ABCS4129 standard; DNA; 13 BP.
XX
XX ABCS4129;
XX
XX 21-FEB-2002 (first entry)
XX
XX Oligonucleotide SEQ ID NO 54146 for detecting SNP TSC0014875.
DE
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
XX Homo sapiens.
XX
XX WO200177384-A2.
XX
XX 18-OCT-2001.
XX
XX 06-APR-2001; 2001WO-IB000713.
XX
XX 07-APR-2000; 2000DE-01019173.
XX
XX (EPIG-) EPIGENOMICS AG.
XX
XX Olek A, Piepenbrock C, Berlin K;
XX
XX WPI; 2001-657177/75.
XX
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
XX Claim 1; SEQ ID NO 54146; 29pp + Sequence Listing; German.
XX
XX This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
XX Sequence 13 BP; 8 A; 2 C; 0 G; 2 T; 0 U; 1 Other;
SQ
Query Match 12.9%; Score 9.4; DB 1; Length 13;
Best Local Similarity 76.9%; Pred. No. 1.3e+03;
Matches 10; Conservative 1; Mismatches 2; Indels 0; Gaps 0;

```

QY 903 GGTCAATTTCTTT 915
Db 13 GGTAAATTTTTT 1

RESULT 1802
ABC54443/C
ID ABC54443 standard; DNA; 13 BP.
XX
AC ABC54443;
XX
DT 21-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 54460 for detecting SNP TSC0014930.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPITG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
DR WPI; 2001-657177/75.
XX
PT Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
PS Claim 1; SEQ ID NO 54460; 29pp + Sequence Listing; German.
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 13 BP; 8 A; 2 C; 0 G; 2 T; 0 U; 1 Other;
XX
Query Match 12.9%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 1.3e+03;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 947 GTTAAATGTAT 957
Db 13 GTTAAATGTAT 3

RESULT 1803
ABC31426
ID ABC31426 standard; DNA; 13 BP.
XX
AC ABC31426;
XX
DT 20-FEB-2002 (first entry)
XX

QY 908 TTTTCTTTTGGT 918
Db 2 TTTTCTTTTGGT 12

RESULT 1804
ABC11856
ID ABC11856 standard; DNA; 13 BP.
XX
AC ABC11856;
XX
DT 20-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 11863 for detecting SNP TSC0002853.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX

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CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 13 BP; 1 A; 1 C; 4 G; 7 T; 0 U; 0 Other;
    Query Match      12.9%; Score 9.4; DB 1; Length 13;
    Best Local Similarity 90.9%; Pred. No. 1.3e+03;
    Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 907 ATTTCTTTGG 917
DB 2 ATTTCTTTGG 12

RESULT 1807
ABC63663
ID ABC63663 standard; DNA; 13 BP.
XX
AC ABC63663;
XX
DT 21-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 63680 for detecting SNP TSC0016816.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
FN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
WPI; 2001-657177/75.
XX
Set of oligonucleotides, useful for diagnosis and cell typing, is
designed to detect single-nucleotide polymorphisms and cytosine
methylation status.
XX
Claim 1; SEQ ID NO 63680; 29pp + Sequence Listing; German.
XX
This invention describes novel oligonucleotide primers or peptide nucleic
acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
and cytosine methylation status in chemically pretreated genomic DNA. The
oligonucleotides are used for diagnosis and/or prognosis of cancer and a
range of diseases including immune system, gastrointestinal, respiratory,
central nervous system, cardiovascular and metabolic disorders. The
oligonucleotides are also used for detecting cell type differentiation.
ABC00010
-ABC9989, ABF00010-ABF9989, ABH00010-ABH9989 and ABK00010-ABK9989
represent the oligomers described in the invention. NOTE: The sequence
data for this patent did not form part of the printed specification, but
was obtained in electronic format from WIPO at
ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 13 BP; 2 A; 6 C; 0 G; 5 T; 0 U; 0 Other;
    Query Match      12.9%; Score 9.4; DB 1; Length 13;
    Best Local Similarity 90.9%; Pred. No. 1.3e+03;
    Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 926 TTTTATCCCTC 936
DB 1 TTTTATCCCTC 11

CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 13 BP; 1 A; 1 C; 4 G; 7 T; 0 U; 0 Other;
    Query Match      12.9%; Score 9.4; DB 1; Length 13;
    Best Local Similarity 90.9%; Pred. No. 1.3e+03;
    Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 907 ATTTCTTTGG 917
DB 2 ATTTCTTTGG 12

RESULT 1808
ABC39010
ID ABC39010 standard; DNA; 13 BP.
XX
AC ABC39010;
XX
DT 20-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 39027 for detecting SNP TSC0011997.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
FN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
WPI; 2001-657177/75.
XX
Set of oligonucleotides, useful for diagnosis and cell typing, is
designed to detect single-nucleotide polymorphisms and cytosine
methylation status.
XX
Claim 1; SEQ ID NO 39027; 29pp + Sequence Listing; German.
XX
This invention describes novel oligonucleotide primers or peptide nucleic
acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
and cytosine methylation status in chemically pretreated genomic DNA. The
oligonucleotides are used for diagnosis and/or prognosis of cancer and a
range of diseases including immune system, gastrointestinal, respiratory,
central nervous system, cardiovascular and metabolic disorders. The
oligonucleotides are also used for detecting cell type differentiation.
ABC00010
-ABC9989, ABF00010-ABF9989, ABH00010-ABH9989 and ABK00010-ABK9989
represent the oligomers described in the invention. NOTE: The sequence
data for this patent did not form part of the printed specification, but
was obtained in electronic format from WIPO at
ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 13 BP; 1 A; 0 C; 4 G; 8 T; 0 U; 0 Other;
    Query Match      12.9%; Score 9.4; DB 1; Length 13;
    Best Local Similarity 90.9%; Pred. No. 1.3e+03;
    Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 907 ATTTCTTTGG 917
DB 2 ATTTCTTTGG 12

RESULT 1809
ABC64528/c
ID ABC64528 standard; DNA; 13 BP.
XX
AC ABC64528;
XX
DT 21-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 64545 for detecting SNP TSC0017022.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
```

KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX Homo sapiens.
XX WO200177384-A2.
XX 18-OCT-2001.
XX 06-APR-2001; 2001WO-IB000713.
XX 07-APR-2000; 2000DE-01019173.
XX (EPIG-) EPIGENOMICS AG.
XX Olek A, Piepenbrock C, Berlin K;
XX WPI; 2001-657177/75.
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX Claim 1; SEQ ID NO 64545; 29pp + Sequence Listing; German.
XX This invention describes novel oligonucleotide primers or peptide nucleic
XX acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
XX and cytosine methylation status in chemically pretreated genomic DNA. The
XX oligonucleotides are used for diagnosis and/or prognosis of cancer and a
XX range of diseases including immune system, gastrointestinal, respiratory,
XX central nervous system, cardiovascular and metabolic disorders. The
XX oligomers are also used for detecting cell type differentiation. ABC00010
XX -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
XX represent the oligomers described in the invention. NOTE: The sequence
XX data for this patent did not form part of the printed specification, but
XX was obtained in electronic format from WIPO at
XX ftp.wipo.int/pub/published_pct_sequences
XX Sequence 13 BP; 3 A; 0 C; 8 G; 2 T; 0 U; 0 Other;
XX Query Match 12.9%; Score 9.4; DB 1; Length 13;
XX Best Local Similarity 90.9%; Pred. No. 1.3e+03;
XX Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
QY 930 ATCCCTCCTCT 940
Db 11 ACCCTCCTCT 1
RESULT 1810
ABC64529
ID ABC64529 standard; DNA; 13 BP.
XX AC ABC64529;
XX 21-FEB-2002 (first entry)
XX Oligonucleotide SEQ ID NO 64546 for detecting SNP TSC0017022.
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX Homo sapiens.
XX WO200177384-A2.
XX 18-OCT-2001.
XX 06-APR-2001; 2001WO-IB000713.
XX 07-APR-2000; 2000DE-01019173.
XX (EPIG-) EPIGENOMICS AG.

KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX Homo sapiens.
XX WO200177384-A2.
XX 18-OCT-2001.
XX 06-APR-2001; 2001WO-IB000713.
XX 07-APR-2000; 2000DE-01019173.
XX (EPIG-) EPIGENOMICS AG.
XX Olek A, Piepenbrock C, Berlin K;
XX WPI; 2001-657177/75.
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX Claim 1; SEQ ID NO 64545; 29pp + Sequence Listing; German.
XX This invention describes novel oligonucleotide primers or peptide nucleic
XX acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
XX and cytosine methylation status in chemically pretreated genomic DNA. The
XX oligonucleotides are used for diagnosis and/or prognosis of cancer and a
XX range of diseases including immune system, gastrointestinal, respiratory,
XX central nervous system, cardiovascular and metabolic disorders. The
XX oligomers are also used for detecting cell type differentiation. ABC00010
XX -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
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XX data for this patent did not form part of the printed specification, but
XX was obtained in electronic format from WIPO at
XX ftp.wipo.int/pub/published_pct_sequences
XX Sequence 13 BP; 3 A; 0 C; 8 G; 2 T; 0 U; 0 Other;
XX Query Match 12.9%; Score 9.4; DB 1; Length 13;
XX Best Local Similarity 90.9%; Pred. No. 1.3e+03;
XX Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
QY 930 ATCCCTCCTCT 940
Db 11 ACCCTCCTCT 1
RESULT 1810
ABC64529
ID ABC64529 standard; DNA; 13 BP.
XX AC ABC64529;
XX 21-FEB-2002 (first entry)
XX Oligonucleotide SEQ ID NO 64546 for detecting SNP TSC0017022.
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX Homo sapiens.
XX WO200177384-A2.
XX 18-OCT-2001.
XX 06-APR-2001; 2001WO-IB000713.
XX 07-APR-2000; 2000DE-01019173.
XX (EPIG-) EPIGENOMICS AG.

KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX Homo sapiens.
XX WO200177384-A2.
XX 18-OCT-2001.
XX 06-APR-2001; 2001WO-IB000713.
XX 07-APR-2000; 2000DE-01019173.
XX (EPIG-) EPIGENOMICS AG.
XX Olek A, Piepenbrock C, Berlin K;
XX WPI; 2001-657177/75.
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX Claim 1; SEQ ID NO 64546; 29pp + Sequence Listing; German.
XX This invention describes novel oligonucleotide primers or peptide nucleic
XX acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
XX and cytosine methylation status in chemically pretreated genomic DNA. The
XX oligonucleotides are used for diagnosis and/or prognosis of cancer and a
XX range of diseases including immune system, gastrointestinal, respiratory,
XX central nervous system, cardiovascular and metabolic disorders. The
XX oligomers are also used for detecting cell type differentiation. ABC00010
XX -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
XX represent the oligomers described in the invention. NOTE: The sequence
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XX ftp.wipo.int/pub/published_pct_sequences
XX Sequence 13 BP; 2 A; 8 C; 0 G; 3 T; 0 U; 0 Other;
XX Query Match 12.9%; Score 9.4; DB 1; Length 13;
XX Best Local Similarity 90.9%; Pred. No. 1.3e+03;
XX Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
QY 930 ATCCCTCCTCT 940
Db 3 ACCCTCCTCT 13
RESULT 1811
ABC39899
ID ABC39899 standard; DNA; 13 BP.
XX AC ABC39899;
XX 20-FEB-2002 (first entry)
XX Oligonucleotide SEQ ID NO 39916 for detecting SNP TSC0012171.
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX Homo sapiens.
XX WO200177384-A2.
XX 18-OCT-2001.
XX 06-APR-2001; 2001WO-IB000713.
XX 07-APR-2000; 2000DE-01019173.
XX (EPIG-) EPIGENOMICS AG.
XX Olek A, Piepenbrock C, Berlin K;
XX WPI; 2001-657177/75.
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX Claim 1; SEQ ID NO 39916; 29pp + Sequence Listing; German.
XX This invention describes novel oligonucleotide primers or peptide nucleic
XX acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)

CC and cytosine methylation status in chemically pretreated genomic DNA. The
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
 CC range of diseases including immune system, gastrointestinal, respiratory,
 CC central nervous system, cardiovascular and metabolic disorders. The
 CC oligomers are also used for detecting cell type differentiation. ABC00010
 CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
 CC represent the oligomers described in the invention. NOTE: The sequence
 CC data for this patent did not form part of the printed specification, but
 CC was obtained in electronic format from WIPO at
 CC ftp.wipo.int/pub/published_pct_sequences

SQ Sequence 13 BP; 3 A; 5 C; 0 G; 4 T; 0 U; 1 Other;

Query Match 12.9%; Score 9.4; DB 1; Length 13;
 Best Local Similarity 90.9%; Pred. No. 1.3e+03;
 Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 930 ATCCCTCCTCT 940

Db 3 ATCCATCCTCT 13

RESULT 1812
 ABC16199/C
 ID ABC16199 standard; DNA; 13 BP.

AC ABC16199;

XX 20-FEB-2002 (first entry)

DE Oligonucleotide SEQ ID NO 16206 for detecting SNP TSC0003545.

SNP: single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
 Peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
 central nervous system; gastrointestinal; respiratory; immune; metabolic.

OS Homo sapiens.

XX WO200177384-A2.

PD 18-OCT-2001.

XX 06-APR-2001; 2001WO-IB000713.

XX 07-APR-2000; 2000DE-01019173.

XX (EPIG-) EPIGENOMICS AG.

XX Olek A, Piepenbrock C, Berlin K;

XX WPI; 2001-657177/75.

PT Set of oligonucleotides, useful for diagnosis and cell typing, is
 PT designed to detect single-nucleotide polymorphisms and cytosine
 PT methylation status.

XX Claim 1; SEQ ID NO 16206; 29pp + Sequence Listing; German.

XX This invention describes novel oligonucleotide primers or peptide nucleic
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
 CC and cytosine methylation status in chemically pretreated genomic DNA. The
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
 CC range of diseases including immune system, gastrointestinal, respiratory,
 CC central nervous system, cardiovascular and metabolic disorders. The
 CC oligomers are also used for detecting cell type differentiation. ABC00010
 CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
 CC represent the oligomers described in the invention. NOTE: The sequence
 CC data for this patent did not form part of the printed specification, but
 CC was obtained in electronic format from WIPO at
 CC ftp.wipo.int/pub/published_pct_sequences

XX Sequence 13 BP; 9 A; 2 C; 0 G; 2 T; 0 U; 0 Other;

Query Match 12.9%; Score 9.4; DB 1; Length 13;
 Best Local Similarity 90.9%; Pred. No. 1.3e+03;
 Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 907 ATTTCTTTGG 917

Db 12 ATTTCTTTGG 2

RESULT 1813

ABF15750

ID ABF15750 standard; DNA; 13 BP.

XX ABF15750;

XX 21-FEB-2002 (first entry)

DE Oligonucleotide SEQ ID NO 115747 for detecting SNP TSC0029020.

SNP: single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
 Peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
 central nervous system; gastrointestinal; respiratory; immune; metabolic.

OS Homo sapiens.

XX WO200177384-A2.

XX 18-OCT-2001.

XX 06-APR-2001; 2001WO-IB000713.

XX 07-APR-2000; 2000DE-01019173.

XX (EPIG-) EPIGENOMICS AG.

XX Olek A, Piepenbrock C, Berlin K;

XX WPI; 2001-657177/75.

PT Set of oligonucleotides, useful for diagnosis and cell typing, is
 PT designed to detect single-nucleotide polymorphisms and cytosine
 PT methylation status.

XX Claim 1; SEQ ID NO 115747; 29pp + Sequence Listing; German.

XX This invention describes novel oligonucleotide primers or peptide nucleic
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
 CC and cytosine methylation status in chemically pretreated genomic DNA. The
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
 CC range of diseases including immune system, gastrointestinal, respiratory,
 CC central nervous system, cardiovascular and metabolic disorders. The
 CC oligomers are also used for detecting cell type differentiation. ABC00010
 CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
 CC represent the oligomers described in the invention. NOTE: The sequence
 CC data for this patent did not form part of the printed specification, but
 CC was obtained in electronic format from WIPO at
 CC ftp.wipo.int/pub/published_pct_sequences

XX Sequence 13 BP; 0 A; 0 C; 3 G; 10 T; 0 U; 0 Other;

Query Match 12.9%; Score 9.4; DB 1; Length 13;
 Best Local Similarity 90.9%; Pred. No. 1.3e+03;
 Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 908 TTTTCTTTGGT 918

Db 2 TTTTCTTTGGT 12

RESULT 1814

ABF22104/C

ID ABF22104 standard; DNA; 13 BP.

XX

```

AC ABF22104;
XX
XX DT 21-FEB-2002 (first entry)
XX
XX DE Oligonucleotide SEQ ID NO 122101 for detecting SNP TSC0030522.
XX
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
XX OS Homo sapiens.
XX
XX PN WO200177384-A2.
XX
XX PD 18-OCT-2001.
XX
XX PF 06-APR-2001; 2001WO-IB000713.
XX
XX PR 07-APR-2000; 2000DE-01019173.
XX
XX PA (EPIG-) EPIGENOMICS AG.
XX
XX PI Olek A, Piepenbrock C, Berlin K;
XX
XX DR WPI; 2001-657177/75.
XX
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
XX PT designed to detect single-nucleotide polymorphisms and cytosine
XX PT methylation status.
XX
XX PS Claim 1; SEQ ID NO 122101; 29pp + Sequence Listing; German.
XX
XX This invention describes novel oligonucleotide primers or peptide nucleic
XX CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
XX CC and cytosine methylation status in chemically pretreated genomic DNA. The
XX CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
XX CC range of diseases including immune system, gastrointestinal, respiratory,
XX CC central nervous system, cardiovascular and metabolic disorders. The
XX CC oligomers are also used for detecting cell type differentiation. ABC00010
XX CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
XX CC represent the oligomers described in the invention. NOTE: The sequence
XX CC data for this patent did not form part of the printed specification, but
XX CC was obtained in electronic format from WIPO at
XX CC ftp.wipo.int/pub/published_pct_sequences
XX
XX SQ Sequence 13 BP; 3 A; 1 C; 4 G; 4 T; 0 U; 1 Other;
XX
XX Query Match 12.9%; Score 9.4; DB 1; Length 13;
XX Best Local Similarity 90.9%; Pred. No. 1.3e+03;
XX Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
XX
XX QY 957 TCGCTACCAAC 967
XX Db 11 TCGATACCAAC 1
XX
XX RESULT 1815
XX ABF23068
XX ID ABF23068 standard; DNA; 13 BP.
XX
XX AC ABF23068;
XX
XX DT 21-FEB-2002 (first entry)
XX
XX DE Oligonucleotide SEQ ID NO 123065 for detecting SNP TSC0030769.
XX
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
XX OS Homo sapiens.
XX
XX PN WO200177384-A2.
XX
XX PD 18-OCT-2001.
XX
XX PF 06-APR-2001; 2001WO-IB000713.
XX
XX PR 07-APR-2000; 2000DE-01019173.
XX
XX PA (EPIG-) EPIGENOMICS AG.
XX
XX PI Olek A, Piepenbrock C, Berlin K;
XX
XX DR WPI; 2001-657177/75.
XX
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
XX PT designed to detect single-nucleotide polymorphisms and cytosine
XX PT methylation status.
XX
XX PS Claim 1; SEQ ID NO 123065; 29pp + Sequence Listing; German.
XX
XX This invention describes novel oligonucleotide primers or peptide nucleic
XX CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
XX CC and cytosine methylation status in chemically pretreated genomic DNA. The
XX CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
XX CC range of diseases including immune system, gastrointestinal, respiratory,
XX CC central nervous system, cardiovascular and metabolic disorders. The
XX CC oligomers are also used for detecting cell type differentiation. ABC00010
XX CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
XX CC represent the oligomers described in the invention. NOTE: The sequence
XX CC data for this patent did not form part of the printed specification, but
XX CC was obtained in electronic format from WIPO at
XX CC ftp.wipo.int/pub/published_pct_sequences
XX
XX SQ Sequence 13 BP; 2 A; 0 C; 4 G; 7 T; 0 U; 0 Other;
XX
XX Query Match 12.9%; Score 9.4; DB 1; Length 13;
XX Best Local Similarity 90.9%; Pred. No. 1.3e+03;
XX Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
XX
XX QY 944 TTGGTTTAATG 954
XX Db 3 TTGGTTGAATG 13
XX
XX RESULT 1816
XX ABF28323/c
XX ID ABF28323 standard; DNA; 13 BP.
XX
XX AC ABF28323;
XX
XX DT 21-FEB-2002 (first entry)
XX
XX DE Oligonucleotide SEQ ID NO 128320 for detecting SNP TSC0032146.
XX
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
XX OS Homo sapiens.
XX
XX PN WO200177384-A2.
XX
XX PD 18-OCT-2001.
XX
XX PF 06-APR-2001; 2001WO-IB000713.
XX
XX PR 07-APR-2000; 2000DE-01019173.
XX
XX PA (EPIG-) EPIGENOMICS AG.
XX
XX PI Olek A, Piepenbrock C, Berlin K;
XX
XX DR WPI; 2001-657177/75.
XX
XX

```

PT Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.

XX Claim 1; SEQ ID NO 128320; 29pp + Sequence Listing; German.

XX This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences

XX SQ Sequence 13 BP; 6 A; 2 C; 1 G; 3 T; 0 U; 1 Other;

Query Match 12.9%; Score 9.4; DB 1; Length 13;
Best Local Similarity 76.9%; Pred. No. 1.3e+03;
Matches 10; Conservative 1; Mismatches 2; Indels 0; Gaps 0;

OY 941 TCATTGGTTTAAT 953

Db 13 TCGTTAGTTTAA 1

RESULT 1817

ABF43155/C
ID ABF43155 standard; DNA; 13 BP.

XX AC ABF43155;

XX DT 21-FEB-2002 (first entry)

XX DE Oligonucleotide SEQ ID NO 143152 for detecting SNP TSC0035906.

XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.

XX OS Homo sapiens.

XX PN WO200177384-A2.

XX PD 18-OCT-2001.

XX PF 06-APR-2001; 2001WO-IB000713.

XX PR 07-APR-2000; 2000DE-01019173.

XX PA (EPIG-) EPIGENOMICS AG.

XX PI Olek A, Piepenbrock C, Berlin K;

XX WPI; 2001-657177/75.

XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.

XX Claim 1; SEQ ID NO 143152; 29pp + Sequence Listing; German.

XX This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010

CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences

XX SQ Sequence 13 BP; 9 A; 2 C; 0 G; 2 T; 0 U; 0 Other;

Query Match 12.9%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 1.3e+03;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

OY 907 ATTTTCTTTGG 917

Db 11 ATTTTCTTTGG 1

RESULT 1818

ABF44657
ID ABF44657 standard; DNA; 13 BP.

XX AC ABF44657;

XX DT 21-FEB-2002 (first entry)

XX DE Oligonucleotide SEQ ID NO 144654 for detecting SNP TSC0036377.

XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.

XX OS Homo sapiens.

XX PN WO200177384-A2.

XX PD 18-OCT-2001.

XX PF 06-APR-2001; 2001WO-IB000713.

XX PR 07-APR-2000; 2000DE-01019173.

XX PA (EPIG-) EPIGENOMICS AG.

XX PI Olek A, Piepenbrock C, Berlin K;

XX WPI; 2001-657177/75.

XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.

XX Claim 1; SEQ ID NO 144654; 29pp + Sequence Listing; German.

XX This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences

XX SQ Sequence 13 BP; 2 A; 8 C; 0 G; 3 T; 0 U; 0 Other;

Query Match 12.9%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 1.3e+03;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

OY 929 TATCCCTCCCTC 939


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Db      |||||
        2 TATCCCTCCC 12

RESULT 1819
ABH21912/c
ID ABH21912 standard; DNA; 13 BP.
XX
AC ABH21912;
XX
DT 22-FEB-2002 (first entry)
XX
XX Oligonucleotide SEQ ID NO 221889 for detecting SNP TSC0053997.
DE
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
FN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
DT 22-FEB-2002 (first entry)
XX
XX Oligonucleotide SEQ ID NO 221889 for detecting SNP TSC0053997.
DE
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
FN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB0000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
PI WPI; 2001-657177/75.
XX
PT Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
PS Claim 1; SEQ ID NO 221889; 29pp + Sequence Listing; German.
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC9989, ABF00010-ABF9989, ABH00010-ABH9989 and AB100010-AB182073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 13 BP; 5 A; 1 C; 3 G; 4 T; 0 U; 0 Other;
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
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CC -ABC9989, ABF00010-ABF9989, ABH00010-ABH9989 and AB100010-AB182073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 13 BP; 5 A; 1 C; 3 G; 4 T; 0 U; 0 Other;

Query Match 12.9%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 1.3e+03;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 955 TATCGCTACCA 965
Db |||||
13 TATCGCTATCA 3

RESULT 1820
ABF71905/c
ID ABF71905 standard; DNA; 13 BP.
XX
AC ABF71905;
XX
DT 22-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 171902 for detecting SNP TSC0042851.
XX
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
FN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB0000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
PI WPI; 2001-657177/75.
XX
PT Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
PS Claim 1; SEQ ID NO 221889; 29pp + Sequence Listing; German.
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC9989, ABF00010-ABF9989, ABH00010-ABH9989 and AB100010-AB182073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 13 BP; 4 A; 3 C; 0 G; 5 T; 0 U; 1 Other;

Query Match 12.9%; Score 9.4; DB 1; Length 13;
Best Local Similarity 76.9%; Pred. No. 1.3e+03;
Matches 10; Conservative 1; Mismatches 2; Indels 0; Gaps 0;

QY 943 ATTGGTTTATGT 955
Db |||||
13 ATAGGTATATGY 1

RESULT 1821
ABH25152
ID ABH25152 standard; DNA; 13 BP.
XX
AC ABH25152;
XX
DT 22-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 225129 for detecting SNP TSC0054886.
XX
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
FN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB0000713.
XX

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PR 07-APR-2000; 2000DE-01019173.
XX (EPIG-) EPIGENOMICS AG.
XX Olek A, Piepenbrock C, Berlin K;
XX WPI; 2001-657177/75.
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX Claim 1; SEQ ID NO 225129; 29pp + Sequence Listing; German.
XX This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and AB100010-AB182073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
XX Sequence 13 BP; 4 A; 0 C; 2 G; 6 T; 0 U; 1 Other;
XX
XX Query Match 12.9%; Score 9.4; DB 1; Length 13;
XX Best Local Similarity 76.9%; Pred. No. 1.3e+03;
XX Matches 10; Conservative 1; Mismatches 2; Indels 0; Gaps 0;
XX
QY 943 ATGCTTTAATG 955
DB 1 ATATGTTAATG 13
XX
RESULT 1822
ABH05017/C
ID ABH05017 standard; DNA; 13 BP.
XX
XX ABH05017;
XX
XX 22-FEB-2002 (first entry)
XX
XX Oligonucleotide SEQ ID NO 204994 for detecting SNP TSC0010675.
XX
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
XX Homo sapiens.
XX
XX WO200177384-A2.
XX
XX 18-OCT-2001.
XX
XX 06-APR-2001; 2001WO-IB000713.
XX
XX Oligonucleotide SEQ ID NO 204994 for detecting SNP TSC0010675.
XX
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
XX Homo sapiens.
XX
XX WO200177384-A2.
XX
XX 18-OCT-2001.
XX
XX 06-APR-2001; 2001WO-IB000713.
XX
XX 07-APR-2000; 2000DE-01019173.
XX
XX (EPIG-) EPIGENOMICS AG.
XX
XX Olek A, Piepenbrock C, Berlin K;
XX WPI; 2001-657177/75.
XX
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX Claim 1; SEQ ID NO 204994; 29pp + Sequence Listing; German.
XX
XX This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and AB100010-AB182073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
XX Sequence 13 BP; 4 A; 0 C; 2 G; 6 T; 0 U; 1 Other;
XX
XX Query Match 12.9%; Score 9.4; DB 1; Length 13;
XX Best Local Similarity 76.9%; Pred. No. 1.3e+03;
XX Matches 10; Conservative 1; Mismatches 2; Indels 0; Gaps 0;
XX
QY 943 ATGCTTTAATG 955
DB 1 ATATGTTAATG 13
XX
RESULT 1822
ABH05017/C
ID ABH05017 standard; DNA; 13 BP.
XX
XX ABH05017;
XX
XX 22-FEB-2002 (first entry)
XX
XX Oligonucleotide SEQ ID NO 204994 for detecting SNP TSC0010675.
XX
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
XX Homo sapiens.
XX
XX WO200177384-A2.
XX
XX 18-OCT-2001.
XX
XX 06-APR-2001; 2001WO-IB000713.
XX
XX 07-APR-2000; 2000DE-01019173.
XX
XX (EPIG-) EPIGENOMICS AG.
XX
XX Olek A, Piepenbrock C, Berlin K;
XX WPI; 2001-657177/75.
XX
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX Claim 1; SEQ ID NO 204994; 29pp + Sequence Listing; German.
XX
XX This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and AB100010-AB182073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
XX Sequence 13 BP; 4 A; 0 C; 2 G; 6 T; 0 U; 1 Other;
XX
XX Query Match 12.9%; Score 9.4; DB 1; Length 13;
XX Best Local Similarity 90.9%; Pred. No. 1.3e+03;
XX Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
XX
QY 941 TCATTGCTTTA 951
DB 13 TGATTGCTTTA 3
XX
RESULT 1823
ABF80830
ID ABF80830 standard; DNA; 13 BP.
XX
XX ABF80830;
XX
XX 22-FEB-2002 (first entry)
XX
XX Oligonucleotide SEQ ID NO 180827 for detecting SNP TSC0044744.
XX
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
XX Homo sapiens.
XX
XX WO200177384-A2.
XX
XX 18-OCT-2001.
XX
XX 06-APR-2001; 2001WO-IB000713.
XX
XX 07-APR-2000; 2000DE-01019173.
XX
XX (EPIG-) EPIGENOMICS AG.
XX
XX Olek A, Piepenbrock C, Berlin K;
XX WPI; 2001-657177/75.
XX
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX Claim 1; SEQ ID NO 180827; 29pp + Sequence Listing; German.
XX
XX This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and AB100010-AB182073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
```

```
XX SQ Sequence 13 BP; 5 A; 0 C; 2 G; 6 T; 0 U; 0 Other;
Query Match 12.9%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 1.3e+03;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 946 GGTAAATGTA 956
|||||
Db 2 GGTAAATTA 12

RESULT 1824
ABH32904/C
ID ABH32904 standard; DNA; 13 BP.
XX AC ABH32904;
XX DT 22-FEB-2002 (first entry)
XX DE Oligonucleotide SEQ ID NO 232881 for detecting SNP TSC0056816.
XX KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX OS Homo sapiens.
XX PN WO200177384-A2.
XX PD 18-OCT-2001.
XX PF 06-APR-2001; 2001WO-IB000713.
XX PR 07-APR-2000; 2000DE-01019173.
XX PA (EPIC-) EPIGENOMICS AG.
XX PI Olek A, Piepenbrock C, Berlin K;
XX DR WPI; 2001-657177/75.
XX PT Set of oligonucleotides, useful for diagnosis and cell typing, is
XX PT designed to detect single-nucleotide polymorphisms and cytosine
XX PT methylation status.
XX PS Claim 1; SEQ ID NO 232881; 29pp + Sequence Listing; German.
XX CC This invention describes novel oligonucleotide primers or peptide nucleic
XX CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
XX CC and cytosine methylation status in chemically pretreated genomic DNA. The
XX CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
XX CC range of diseases including immune system, gastrointestinal, respiratory,
XX CC central nervous system, cardiovascular and metabolic disorders. The
XX CC oligomers are also used for detecting cell type differentiation. ABC00010
XX CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
XX CC represent the oligomers described in the invention. NOTE: The sequence
XX CC data for this patent did not form part of the printed specification, but
XX CC ftp.wipo.int/pub/published_pct_sequences
XX SQ Sequence 13 BP; 11 A; 0 C; 1 G; 1 T; 0 U; 0 Other;
Query Match 12.9%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 1.3e+03;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 905 TCATTTTCTTT 915
|||||
Db 12 TCATTTTCTTT 2

RESULT 1825
ABH32904/C
ID ABH32904 standard; DNA; 13 BP.
XX AC ABH32904;
XX DT 22-FEB-2002 (first entry)
XX DE Oligonucleotide SEQ ID NO 185801 for detecting SNP TSC0045794.
XX KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX OS Homo sapiens.
XX PN WO200177384-A2.
XX PD 18-OCT-2001.
XX PF 06-APR-2001; 2001WO-IB000713.
XX PR 07-APR-2000; 2000DE-01019173.
XX PA (EPIC-) EPIGENOMICS AG.
XX PI Olek A, Piepenbrock C, Berlin K;
XX DR WPI; 2001-657177/75.
XX PT Set of oligonucleotides, useful for diagnosis and cell typing, is
XX PT designed to detect single-nucleotide polymorphisms and cytosine
XX PT methylation status.
XX PS Claim 1; SEQ ID NO 232881; 29pp + Sequence Listing; German.
XX CC This invention describes novel oligonucleotide primers or peptide nucleic
XX CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
XX CC and cytosine methylation status in chemically pretreated genomic DNA. The
XX CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
XX CC range of diseases including immune system, gastrointestinal, respiratory,
XX CC central nervous system, cardiovascular and metabolic disorders. The
XX CC oligomers are also used for detecting cell type differentiation. ABC00010
XX CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
XX CC represent the oligomers described in the invention. NOTE: The sequence
XX CC data for this patent did not form part of the printed specification, but
XX CC ftp.wipo.int/pub/published_pct_sequences
XX SQ Sequence 13 BP; 11 A; 0 C; 1 G; 1 T; 0 U; 0 Other;
Query Match 12.9%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 1.3e+03;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 919 CTTTGCTTTT 929
|||||
Db 3 CTTTGCTTTT 13

RESULT 1826
ABF85804
ID ABF85804 standard; DNA; 13 BP.
XX AC ABF85804;
XX DT 22-FEB-2002 (first entry)
XX DE Oligonucleotide SEQ ID NO 185801 for detecting SNP TSC0045794.
XX KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX OS Homo sapiens.
XX PN WO200177384-A2.
XX PD 18-OCT-2001.
XX PF 06-APR-2001; 2001WO-IB000713.
XX PR 07-APR-2000; 2000DE-01019173.
XX PA (EPIC-) EPIGENOMICS AG.
XX PI Olek A, Piepenbrock C, Berlin K;
XX DR WPI; 2001-657177/75.
XX PT Set of oligonucleotides, useful for diagnosis and cell typing, is
XX PT designed to detect single-nucleotide polymorphisms and cytosine
XX PT methylation status.
XX PS Claim 1; SEQ ID NO 208264; 29pp + Sequence Listing; German.
XX CC This invention describes novel oligonucleotide primers or peptide nucleic
XX CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
XX CC and cytosine methylation status in chemically pretreated genomic DNA. The
XX CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
XX CC range of diseases including immune system, gastrointestinal, respiratory,
XX CC central nervous system, cardiovascular and metabolic disorders. The
XX CC oligomers are also used for detecting cell type differentiation. ABC00010
XX CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
XX CC represent the oligomers described in the invention. NOTE: The sequence
XX CC data for this patent did not form part of the printed specification, but
XX CC ftp.wipo.int/pub/published_pct_sequences
XX SQ Sequence 13 BP; 1 A; 5 C; 0 G; 7 T; 0 U; 0 Other;
Query Match 12.9%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 1.3e+03;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 919 CTTTGCTTTT 929
|||||
Db 3 CTTTGCTTTT 13

RESULT 1826
ABF85804
ID ABF85804 standard; DNA; 13 BP.
XX AC ABF85804;
XX DT 22-FEB-2002 (first entry)
XX DE Oligonucleotide SEQ ID NO 185801 for detecting SNP TSC0045794.
XX KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX OS Homo sapiens.
XX PN WO200177384-A2.
XX PD 18-OCT-2001.
XX PF 06-APR-2001; 2001WO-IB000713.
XX PR 07-APR-2000; 2000DE-01019173.
XX PA (EPIC-) EPIGENOMICS AG.
XX PI Olek A, Piepenbrock C, Berlin K;
XX DR WPI; 2001-657177/75.
XX PT Set of oligonucleotides, useful for diagnosis and cell typing, is
XX PT designed to detect single-nucleotide polymorphisms and cytosine
XX PT methylation status.
XX PS Claim 1; SEQ ID NO 208264; 29pp + Sequence Listing; German.
XX CC This invention describes novel oligonucleotide primers or peptide nucleic
XX CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
XX CC and cytosine methylation status in chemically pretreated genomic DNA. The
XX CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
XX CC range of diseases including immune system, gastrointestinal, respiratory,
XX CC central nervous system, cardiovascular and metabolic disorders. The
XX CC oligomers are also used for detecting cell type differentiation. ABC00010
XX CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
XX CC represent the oligomers described in the invention. NOTE: The sequence
XX CC data for this patent did not form part of the printed specification, but
XX CC ftp.wipo.int/pub/published_pct_sequences
XX SQ Sequence 13 BP; 1 A; 5 C; 0 G; 7 T; 0 U; 0 Other;
```


CC range of diseases including immune system, gastrointestinal, respiratory,
 CC central nervous system, cardiovascular and metabolic disorders. The
 CC oligomers are also used for detecting cell type differentiation. ABC00010
 CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
 CC represent the oligomers described in the invention. NOTE: The sequence
 CC data for this patent did not form part of the printed specification, but
 CC was obtained in electronic format from WIPO at
 CC ftp.wipo.int/pub/published_pct_sequences

SQ Sequence 13 BP; 5 A; 1 C; 1 G; 5 T; 0 U; 1 Other;

Query Match 12.9%; Score 9.4; DB 1; Length 13;
 Best Local Similarity 76.9%; Pred. No. 1.3e+03;
 Matches 10; Conservative 1; Mismatches 2; Indels 0; Gaps 0;

QY 951 AATGATCGCTAC 963
 DB 13 AATTATCGATAY 1

RESULT 1829
 ABF64993/C
 ID ABF64993 standard; DNA; 13 BP.
 AC ABF64993;
 XX
 XX
 XX
 XX 22-FEB-2002 (first entry)
 DE Oligonucleotide SEQ ID NO 164990 for detecting SNP TSC0041392.
 KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
 KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
 KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
 XX
 OS Homo sapiens.
 XX
 XX WO200177384-A2.
 XX
 XX 18-OCT-2001.
 XX
 XX 06-APR-2001; 2001WO-IB000713.
 XX
 XX 07-APR-2000; 2000DE-01019173.
 XX (EPIG-) EPIGENOMICS AG.
 XX Olek A, Piepenbrock C, Berlin K;
 XX WPI; 2001-657177/75.
 XX
 XX Set of oligonucleotides, useful for diagnosis and cell typing, is
 XX designed to detect single-nucleotide polymorphisms and cytosine
 XX methylation status.
 XX
 XX Claim 1; SEQ ID NO 164990; 29pp + Sequence Listing; German.
 XX
 XX This invention describes novel oligonucleotide primers or peptide nucleic
 XX acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
 XX and cytosine methylation status in chemically pretreated genomic DNA. The
 XX oligonucleotides are used for diagnosis and/or prognosis of cancer and a
 XX range of diseases including immune system, gastrointestinal, respiratory,
 XX central nervous system, cardiovascular and metabolic disorders. The
 XX oligomers are also used for detecting cell type differentiation. ABC00010
 XX -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
 XX represent the oligomers described in the invention. NOTE: The sequence
 XX data for this patent did not form part of the printed specification, but
 XX was obtained in electronic format from WIPO at
 XX ftp.wipo.int/pub/published_pct_sequences

SQ Sequence 13 BP; 9 A; 3 C; 0 G; 1 T; 0 U; 0 Other;

Query Match 12.9%; Score 9.4; DB 1; Length 13;
 Best Local Similarity 90.9%; Pred. No. 1.3e+03;

Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 940 TTCATTGGTTT 950
 DB 12 TTTATTGGTTT 2

RESULT 1830
 ABH41554
 ID ABH41554 standard; DNA; 13 BP.
 XX
 XX ABH41554;
 XX
 XX 22-FEB-2002 (first entry)
 XX
 XX Oligonucleotide SEQ ID NO 241531 for detecting SNP TSC0058904.
 KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
 KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
 KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
 XX
 OS Homo sapiens.
 XX
 XX WO200177384-A2.
 XX
 XX 18-OCT-2001.
 XX
 XX 06-APR-2001; 2001WO-IB000713.
 XX
 XX 07-APR-2000; 2000DE-01019173.
 XX (EPIG-) EPIGENOMICS AG.
 XX Olek A, Piepenbrock C, Berlin K;
 XX WPI; 2001-657177/75.
 XX
 XX Set of oligonucleotides, useful for diagnosis and cell typing, is
 XX designed to detect single-nucleotide polymorphisms and cytosine
 XX methylation status.
 XX
 XX Claim 1; SEQ ID NO 241531; 29pp + Sequence Listing; German.
 XX
 XX This invention describes novel oligonucleotide primers or peptide nucleic
 XX acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
 XX and cytosine methylation status in chemically pretreated genomic DNA. The
 XX oligonucleotides are used for diagnosis and/or prognosis of cancer and a
 XX range of diseases including immune system, gastrointestinal, respiratory,
 XX central nervous system, cardiovascular and metabolic disorders. The
 XX oligomers are also used for detecting cell type differentiation. ABC00010
 XX -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
 XX represent the oligomers described in the invention. NOTE: The sequence
 XX data for this patent did not form part of the printed specification, but
 XX was obtained in electronic format from WIPO at
 XX ftp.wipo.int/pub/published_pct_sequences

SQ Sequence 13 BP; 4 A; 0 C; 4 G; 5 T; 0 U; 0 Other;

Query Match 12.9%; Score 9.4; DB 1; Length 13;
 Best Local Similarity 90.9%; Pred. No. 1.3e+03;
 Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 946 GGTTTAACTGA 956
 DB 1 GGTTTAACTGA 11

RESULT 1831
 ABH17224
 ID ABH17224 standard; DNA; 13 BP.
 XX
 XX ABH17224;
 XX
 XX

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DT XX 22-FEB-2002 (first entry)
DE XX Oligonucleotide SEQ ID NO 217201 for detecting SNP TSC0052794.
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX OS Homo sapiens.
XX PN WO200177384-A2.
XX PD 18-OCT-2001.
XX PF 06-APR-2001; 2001WO-IB000713.
XX PR 07-APR-2000; 2000DE-01019173.
XX PA (EPIG-) EPIGENOMICS AG.
XX PI Olek A, Piepenbrock C, Berlin K;
XX WI 2001-657177/75.
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX PS Claim 1; SEQ ID NO 217201; 29pp + Sequence Listing; German.
XX This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX SQ Sequence 13 BP; 3 A; 0 C; 4 G; 6 T; 0 U; 0 Other;
XX This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX SQ Sequence 13 BP; 3 A; 0 C; 4 G; 6 T; 0 U; 0 Other;
XX Query Match 12.9%; Score 9.4; DB 1; Length 13;
XX Best Local Similarity 90.9%; Pred. No. 1.3e+03;
XX Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
QY 946 GGTGTTAATGTA 956
Db 1 GGTGTTAATGTA 11
RESULT 1832
ABH43934
ID ABH43934 standard; DNA; 13 BP.
XX AC ABH43934;
XX 22-FEB-2002 (first entry)
XX Oligonucleotide SEQ ID NO 243911 for detecting SNP TSC0059502.
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX OS Homo sapiens.
XX PN WO200177384-A2.
XX PD 18-OCT-2001.
XX PF 06-APR-2001; 2001WO-IB000713.
XX PR 07-APR-2000; 2000DE-01019173.
XX PA (EPIG-) EPIGENOMICS AG.
XX PI Olek A, Piepenbrock C, Berlin K;
XX WI 2001-657177/75.
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX PS Claim 1; SEQ ID NO 243911; 29pp + Sequence Listing; German.
XX This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX SQ Sequence 13 BP; 3 A; 0 C; 4 G; 6 T; 0 U; 0 Other;
XX Query Match 12.9%; Score 9.4; DB 1; Length 13;
XX Best Local Similarity 90.9%; Pred. No. 1.3e+03;
XX Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
QY 946 GGTGTTAATGTA 956
Db 1 GGTGTTAATGTA 11
RESULT 1832
ABH43934
ID ABH43934 standard; DNA; 13 BP.
XX AC ABH43934;
XX 22-FEB-2002 (first entry)
XX Oligonucleotide SEQ ID NO 243911 for detecting SNP TSC0059502.
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX OS Homo sapiens.
XX PN WO200177384-A2.
XX PD 18-OCT-2001.

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XX 06-APR-2001; 2001WO-IB000713.
XX 07-APR-2000; 2000DE-01019173.
XX (EPIG-) EPIGENOMICS AG.
XX Olek A, Piepenbrock C, Berlin K;
XX WI 2001-657177/75.
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX PS Claim 1; SEQ ID NO 243911; 29pp + Sequence Listing; German.
XX This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX SQ Sequence 13 BP; 3 A; 0 C; 1 G; 8 T; 0 U; 1 Other;
XX Query Match 12.9%; Score 9.4; DB 1; Length 13;
XX Best Local Similarity 76.9%; Pred. No. 1.3e+03;
XX Matches 10; Conservative 1; Mismatches 2; Indels 0; Gaps 0;
QY 943 ATGTTTAATGCT 955
Db 1 ATGTTTAATGCT 13
RESULT 1833
ABH45774
ID ABH45774 standard; DNA; 13 BP.
XX AC ABH45774;
XX 22-FEB-2002 (first entry)
XX Oligonucleotide SEQ ID NO 245751 for detecting SNP TSC0060032.
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX OS Homo sapiens.
XX PN WO200177384-A2.
XX PD 18-OCT-2001.
XX PF 06-APR-2001; 2001WO-IB000713.
XX PR 07-APR-2000; 2000DE-01019173.
XX PA (EPIG-) EPIGENOMICS AG.
XX PI Olek A, Piepenbrock C, Berlin K;
XX WI 2001-657177/75.
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.

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methylation status.

Claim 1; SEQ ID NO 245751; 29pp + Sequence Listing; German.

This invention describes novel oligonucleotide primers or peptide nucleic acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP) and cytosine methylation status in chemically pretreated genomic DNA. The oligonucleotides are used for diagnosis and/or prognosis of cancer and a range of diseases including immune system, gastrointestinal, respiratory, central nervous system, cardiovascular and metabolic disorders. The oligomers are also used for detecting cell type differentiation. ABC00010 -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073 represent the oligomers described in the invention. NOTE: The sequence data for this patent did not form part of the printed specification, but was obtained in electronic format from WIPO at ftp.wipo.int/pub/published_pct_sequences

Sequence 13 BP; 1 A; 0 C; 2 G; 9 T; 0 U; 1 Other;

Query Match 12.9%; Score 9.4; DB 1; Length 13;
Best Local Similarity 76.9%; Pred. No. 1.3e+03;
Matches 10; Conservative 1; Mismatches 2; Indels 0; Gaps 0;

QY 920 TTTCCTTTTATC 932
DB 1 TTTCCTTTTATY 13

RESULT 1834
ABH49252
ID ABH49252 standard; DNA; 13 BP.
XX AC ABH49252;
XX DT 22-FEB-2002 (first entry)
XX DE Oligonucleotide SEQ ID NO 249229 for detecting SNP TSC0060878.
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX Homo sapiens.
XX WO200177384-A2.
XX PD 18-OCT-2001.
XX PF 06-APR-2001; 2001WO-IB000713.
XX PR 07-APR-2000; 2000DE-01019173.
XX PA (EPIG-) EPIGENOMICS AG.
XX PI Olek A, Piepenbrock C, Berlin K;
XX WPI; 2001-657177/75.
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX Claim 1; SEQ ID NO 249229; 29pp + Sequence Listing; German.

This invention describes novel oligonucleotide primers or peptide nucleic acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP) and cytosine methylation status in chemically pretreated genomic DNA. The oligonucleotides are used for diagnosis and/or prognosis of cancer and a range of diseases including immune system, gastrointestinal, respiratory, central nervous system, cardiovascular and metabolic disorders. The oligomers are also used for detecting cell type differentiation. ABC00010 -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073 represent the oligomers described in the invention. NOTE: The sequence data for this patent did not form part of the printed specification, but was obtained in electronic format from WIPO at ftp.wipo.int/pub/published_pct_sequences

Sequence 13 BP; 1 A; 0 C; 2 G; 9 T; 0 U; 1 Other;

Query Match 12.9%; Score 9.4; DB 1; Length 13;
Best Local Similarity 76.9%; Pred. No. 1.3e+03;
Matches 10; Conservative 1; Mismatches 2; Indels 0; Gaps 0;

QY 920 TTTCCTTTTATC 932
DB 1 TTTCCTTTTATY 13

RESULT 1834
ABH49252
ID ABH49252 standard; DNA; 13 BP.
XX AC ABH49252;
XX DT 22-FEB-2002 (first entry)
XX DE Oligonucleotide SEQ ID NO 249229 for detecting SNP TSC0060878.
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX Homo sapiens.
XX WO200177384-A2.
XX PD 18-OCT-2001.
XX PF 06-APR-2001; 2001WO-IB000713.
XX PR 07-APR-2000; 2000DE-01019173.
XX PA (EPIG-) EPIGENOMICS AG.
XX PI Olek A, Piepenbrock C, Berlin K;
XX WPI; 2001-657177/75.
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX Claim 1; SEQ ID NO 249229; 29pp + Sequence Listing; German.

This invention describes novel oligonucleotide primers or peptide nucleic acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP) and cytosine methylation status in chemically pretreated genomic DNA. The oligonucleotides are used for diagnosis and/or prognosis of cancer and a range of diseases including immune system, gastrointestinal, respiratory, central nervous system, cardiovascular and metabolic disorders. The oligomers are also used for detecting cell type differentiation. ABC00010 -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073 represent the oligomers described in the invention. NOTE: The sequence data for this patent did not form part of the printed specification, but was obtained in electronic format from WIPO at ftp.wipo.int/pub/published_pct_sequences

Sequence 13 BP; 4 A; 1 C; 2 G; 6 T; 0 U; 0 Other;

Query Match 12.9%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 1.3e+03;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 952 ATGTATCGCTA 962
DB 1 ATGTATCGTTA 11

RESULT 1835
ABH54962
ID ABH54962 standard; DNA; 13 BP.
XX AC ABH54962;
XX DT 22-FEB-2002 (first entry)
XX DE Oligonucleotide SEQ ID NO 254939 for detecting SNP TSC0010199.
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX Homo sapiens.
XX WO200177384-A2.
XX PD 18-OCT-2001.
XX PF 06-APR-2001; 2001WO-IB000713.
XX PR 07-APR-2000; 2000DE-01019173.
XX PA (EPIG-) EPIGENOMICS AG.
XX PI Olek A, Piepenbrock C, Berlin K;
XX WPI; 2001-657177/75.
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX Claim 1; SEQ ID NO 254939; 29pp + Sequence Listing; German.

This invention describes novel oligonucleotide primers or peptide nucleic acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP) and cytosine methylation status in chemically pretreated genomic DNA. The oligonucleotides are used for diagnosis and/or prognosis of cancer and a range of diseases including immune system, gastrointestinal, respiratory, central nervous system, cardiovascular and metabolic disorders. The oligomers are also used for detecting cell type differentiation. ABC00010 -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073 represent the oligomers described in the invention. NOTE: The sequence data for this patent did not form part of the printed specification, but was obtained in electronic format from WIPO at ftp.wipo.int/pub/published_pct_sequences

Sequence 13 BP; 4 A; 0 C; 3 G; 6 T; 0 U; 0 Other;

Query Match 12.9%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 1.3e+03;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 941 TCATTGGTTTA 951
DB 2 TAATTGGTTTA 12

RESULT 1836
 ABH60408
 ID ABH60408 standard; DNA; 13 BP.
 XX
 AC ABH60408;
 XX
 DT 22-FEB-2002 (first entry)
 XX
 DE Oligonucleotide SEQ ID NO 260385 for detecting SNP TSC0004827.
 XX
 KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
 KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
 KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
 XX
 OS Homo sapiens.
 XX
 PN WO200177384-A2.
 XX
 PD 18-OCT-2001.
 XX
 PF 06-APR-2001; 2001WO-IB000713.
 XX
 PR 07-APR-2000; 2000DE-01019173.
 XX
 PA (EPIG-) EPIGENOMICS AG.
 XX
 PI Olek A, Piepenbrock C, Berlin K;
 XX
 DR WPI; 2001-657177/75.
 XX
 PT Set of oligonucleotides, useful for diagnosis and cell typing, is
 PT designed to detect single-nucleotide polymorphisms and cytosine
 PT methylation status.
 XX
 PS Claim 1; SEQ ID NO 260385; 29pp + Sequence Listing; German.
 XX
 CC This invention describes novel oligonucleotide primers or peptide nucleic
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
 CC and cytosine methylation status in chemically pretreated genomic DNA. The
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
 CC range of diseases including immune system, gastrointestinal, respiratory,
 CC central nervous system, cardiovascular and metabolic disorders. The
 CC oligomers are also used for detecting cell type differentiation. ABC00010
 CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
 CC represent the oligomers described in the invention. NOTE: The sequence
 CC data for this patent did not form part of the printed specification, but
 CC was obtained in electronic format from WIPO at
 CC ftp.wipo.int/pub/published_pct_sequences
 XX
 SQ Sequence 13 BP; 4 A; 0 C; 4 G; 4 T; 0 U; 1 Other;
 XX
 CC This invention describes novel oligonucleotide primers or peptide nucleic
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
 CC and cytosine methylation status in chemically pretreated genomic DNA. The
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
 CC range of diseases including immune system, gastrointestinal, respiratory,
 CC central nervous system, cardiovascular and metabolic disorders. The
 CC oligomers are also used for detecting cell type differentiation. ABC00010
 CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
 CC represent the oligomers described in the invention. NOTE: The sequence
 CC data for this patent did not form part of the printed specification, but
 CC was obtained in electronic format from WIPO at
 CC ftp.wipo.int/pub/published_pct_sequences
 XX
 SQ Sequence 13 BP; 4 A; 0 C; 4 G; 4 T; 0 U; 1 Other;
 XX
 Query Match 12.9%; Score 9.4; DB 1; Length 13;
 Best Local Similarity 76.9%; Pred. No. 1.3e+03;
 Matches 10; Conservative 1; Mismatches 2; Indels 0; Gaps 0;
 XX
 QY 946 GGTTAATGATC 958
 DB 1 GGAGTAATGATY 13
 || |||||
 || |||||
 RESULT 1837
 ABH64193
 ID ABH64193 standard; DNA; 13 BP.
 XX
 AC ABH64193;
 XX
 DT 22-FEB-2002 (first entry)
 XX
 DE Oligonucleotide SEQ ID NO 264170 for detecting SNP TSC0064011.
 XX
 KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
 KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
 KW central nervous system; gastrointestinal; respiratory; immune; metabolic.

KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
 KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
 XX
 OS Homo sapiens.
 XX
 PN WO200177384-A2.
 XX
 PD 18-OCT-2001.
 XX
 PF 06-APR-2001; 2001WO-IB000713.
 XX
 PR 07-APR-2000; 2000DE-01019173.
 XX
 PA (EPIG-) EPIGENOMICS AG.
 XX
 PI Olek A, Piepenbrock C, Berlin K;
 XX
 DR WPI; 2001-657177/75.
 XX
 PT Set of oligonucleotides, useful for diagnosis and cell typing, is
 PT designed to detect single-nucleotide polymorphisms and cytosine
 PT methylation status.
 XX
 PS Claim 1; SEQ ID NO 264170; 29pp + Sequence Listing; German.
 XX
 CC This invention describes novel oligonucleotide primers or peptide nucleic
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
 CC and cytosine methylation status in chemically pretreated genomic DNA. The
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
 CC range of diseases including immune system, gastrointestinal, respiratory,
 CC central nervous system, cardiovascular and metabolic disorders. The
 CC oligomers are also used for detecting cell type differentiation. ABC00010
 CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
 CC represent the oligomers described in the invention. NOTE: The sequence
 CC data for this patent did not form part of the printed specification, but
 CC was obtained in electronic format from WIPO at
 CC ftp.wipo.int/pub/published_pct_sequences
 XX
 SQ Sequence 13 BP; 4 A; 7 C; 0 G; 2 T; 0 U; 0 Other;
 XX
 Query Match 12.9%; Score 9.4; DB 1; Length 13;
 Best Local Similarity 90.9%; Pred. No. 1.3e+03;
 Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
 XX
 QY 957 TCGTACCAAC 967
 DB 2 TCCCTACCAAC 12
 || |||||
 || |||||
 RESULT 1838
 ABC42384/C
 ID ABC42384 standard; DNA; 13 BP.
 XX
 AC ABC42384;
 XX
 DT 21-FEB-2002 (first entry)
 XX
 DE Oligonucleotide SEQ ID NO 42401 for detecting SNP TSC0012648.
 XX
 KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
 KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
 KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
 XX
 OS Homo sapiens.
 XX
 PN WO200177384-A2.
 XX
 PD 18-OCT-2001.
 XX
 PF 06-APR-2001; 2001WO-IB000713.
 XX
 PR 07-APR-2000; 2000DE-01019173.
 XX

PA (EPIG-) EPIGENOMICS AG.
XX Olek A, Piepenbrock C, Berlin K;
XX WPI; 2001-657177/75.
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX Claim 1; SEQ ID NO 42401; 29pp + Sequence Listing; German.
XX This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and AB100010-AB182073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
XX Sequence 13 BP; 7 A; 0 C; 3 G; 3 T; 0 U; 0 Other;
SQ
Query Match 12.9%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 1.3e+03;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
QY 935 TCCTCTTCATT 945
DB 13 TACTCTTCATT 3
RESULT 1839
ABC92839/c
ID ABC92839 standard; DNA; 13 BP.
XX AC ABC92839;
XX DT 21-FEB-2002 (first entry)
XX Oligonucleotide SEQ ID NO 92856 for detecting SNP TSC0023219.
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX Homo sapiens.
XX OS
XX WO200177384-A2.
XX PN
XX 18-OCT-2001.
XX PD
XX PF 06-APR-2001; 2001WO-IB0000713.
XX PR 07-APR-2000; 2000DE-01019173.
XX PA (EPIG-) EPIGENOMICS AG.
XX PI Olek A, Piepenbrock C, Berlin K;
XX WPI; 2001-657177/75.
XX DR
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX Claim 1; SEQ ID NO 92856; 29pp + Sequence Listing; German.
XX This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and AB100010-AB182073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
XX Sequence 13 BP; 7 A; 0 C; 3 G; 3 T; 0 U; 0 Other;
SQ
Query Match 12.9%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 1.3e+03;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
QY 935 TCCTCTTCATT 945
DB 13 TACTCTTCATT 3
RESULT 1839
ABC92839/c
ID ABC92839 standard; DNA; 13 BP.
XX AC ABC92839;
XX DT 21-FEB-2002 (first entry)
XX Oligonucleotide SEQ ID NO 92856 for detecting SNP TSC0023219.
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX Homo sapiens.
XX OS
XX WO200177384-A2.
XX PN
XX 18-OCT-2001.
XX PD
XX PF 06-APR-2001; 2001WO-IB0000713.
XX PR 07-APR-2000; 2000DE-01019173.
XX PA (EPIG-) EPIGENOMICS AG.
XX PI Olek A, Piepenbrock C, Berlin K;
XX WPI; 2001-657177/75.
XX DR
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX Claim 1; SEQ ID NO 92856; 29pp + Sequence Listing; German.
XX This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and AB100010-AB182073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
XX Sequence 13 BP; 7 A; 0 C; 3 G; 3 T; 0 U; 0 Other;
SQ
Query Match 12.9%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 1.3e+03;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
QY 907 ATTTTCTTTGG 917
DB 12 ATTTTCTTTGG 2
RESULT 1840
ABC95529/c
ID ABC95529 standard; DNA; 13 BP.
XX AC ABC95529;
XX DT 21-FEB-2002 (first entry)
XX Oligonucleotide SEQ ID NO 95546 for detecting SNP TSC0023777.
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX Homo sapiens.
XX OS
XX WO200177384-A2.
XX PN
XX 18-OCT-2001.
XX PD
XX PF 06-APR-2001; 2001WO-IB0000713.
XX PR 07-APR-2000; 2000DE-01019173.
XX PA (EPIG-) EPIGENOMICS AG.
XX PI Olek A, Piepenbrock C, Berlin K;
XX WPI; 2001-657177/75.
XX DR
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX Claim 1; SEQ ID NO 95546; 29pp + Sequence Listing; German.
XX This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and AB100010-AB182073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
XX Sequence 13 BP; 10 A; 1 C; 0 G; 1 T; 0 U; 1 Other;
SQ

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Query Match      12.9%; Score 9.4; DB 1; Length 13;
Best Local Similarity 76.9%; Pred. No. 1.3e+03;
Matches 10; Conservative 1; Mismatches 2; Indels 0; Gaps 0;

QY 920 TTGCGCTTTTATC 932
Db 13 TTGTTTTTATY 1

RESULT 1841
ABC21593
ID ABC21593 standard; DNA; 13 BP.
XX
AC ABC21593;
XX
DT 20-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 21610 for detecting SNP TSC0004336.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
FN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIC-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
WPI; 2001-657177/75.
XX
Set of oligonucleotides, useful for diagnosis and cell typing, is
designed to detect single-nucleotide polymorphisms and cytosine
methylation status.
XX
Claim 1; SEQ ID NO 21610; 29pp + Sequence Listing; German.
XX
This invention describes novel oligonucleotide primers or peptide nucleic
acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
and cytosine methylation status in chemically pretreated genomic DNA. The
oligonucleotides are used for diagnosis and/or prognosis of cancer and a
range of diseases including immune system, gastrointestinal, respiratory,
central nervous system, cardiovascular and metabolic disorders. The
oligonucleotides are also used for detecting cell type differentiation. ABC00010
-ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
represent the oligomers described in the invention. NOTE: The sequence
data for this patent did not form part of the printed specification, but
was obtained in electronic format from WIPO at
ftp.wipo.int/pub/published_pct_sequences
XX
Sequence 13 BP; 3 A; 3 C; 0 G; 7 T; 0 U; 0 Other;
XX
This invention describes novel oligonucleotide primers or peptide nucleic
acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
and cytosine methylation status in chemically pretreated genomic DNA. The
oligonucleotides are used for diagnosis and/or prognosis of cancer and a
range of diseases including immune system, gastrointestinal, respiratory,
central nervous system, cardiovascular and metabolic disorders. The
oligonucleotides are also used for detecting cell type differentiation. ABC00010
-ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
represent the oligomers described in the invention. NOTE: The sequence
data for this patent did not form part of the printed specification, but
was obtained in electronic format from WIPO at
ftp.wipo.int/pub/published_pct_sequences
XX
Query Match      12.9%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 1.3e+03;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 905 TCATTTTCTTT 915
Db 1 TCATTTTCTTT 11

RESULT 1842
ABC21784
ID ABC21784 standard; DNA; 13 BP.
XX
AC ABC21784;
XX
DT 21-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 97201 for detecting SNP TSC0024109.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX

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XX ABC21784;
XX
DT 20-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 21801 for detecting SNP TSC0004359.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
FN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIC-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
WPI; 2001-657177/75.
XX
Set of oligonucleotides, useful for diagnosis and cell typing, is
designed to detect single-nucleotide polymorphisms and cytosine
methylation status.
XX
Claim 1; SEQ ID NO 21801; 29pp + Sequence Listing; German.
XX
This invention describes novel oligonucleotide primers or peptide nucleic
acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
and cytosine methylation status in chemically pretreated genomic DNA. The
oligonucleotides are used for diagnosis and/or prognosis of cancer and a
range of diseases including immune system, gastrointestinal, respiratory,
central nervous system, cardiovascular and metabolic disorders. The
oligonucleotides are also used for detecting cell type differentiation. ABC00010
-ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
represent the oligomers described in the invention. NOTE: The sequence
data for this patent did not form part of the printed specification, but
was obtained in electronic format from WIPO at
ftp.wipo.int/pub/published_pct_sequences
XX
Sequence 13 BP; 3 A; 0 C; 4 G; 6 T; 0 U; 0 Other;
XX
Query Match      12.9%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 1.3e+03;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 946 GGTTTAATGTA 956
Db 2 GGTTTAATGTA 12

RESULT 1843
ABC97184
ID ABC97184 standard; DNA; 13 BP.
XX
AC ABC97184;
XX
DT 21-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 97201 for detecting SNP TSC0024109.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX

```


CC oligomers are also used for detecting cell type differentiation. ABC000010
 CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
 CC represent the oligomers described in the invention. NOTE: The sequence
 CC data for this patent did not form part of the printed specification, but
 CC was obtained in electronic format from WIPO at
 CC ftp.wipo.int/pub/published_pct_sequences

XX SQ Sequence 13 BP; 6 A; 4 C; 1 G; 2 T; 0 U; 0 Other;

Query Match 12.9%; Score 9.4; DB 1; Length 13;
 Best Local Similarity 90.9%; Pred. No. 1.3e+03;
 Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 907 ATTTCCTTGG 917

Db 13 ATTTCCTTGG 3

RESULT 1846

ABC27330
 ID ABC27330 standard; DNA; 13 BP.

XX AC ABC27330;

XX DT 20-FEB-2002 (first entry)

XX DE Oligonucleotide SEQ ID NO 27347 for detecting SNP TSC0007513.

XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
 KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
 KW central nervous system; gastrointestinal; respiratory; immune; metabolic.

XX OS Homo sapiens.

XX FN WO200177384-A2.

XX PD 18-OCT-2001.

XX PF 06-APR-2001; 2001WO-IB000713.

XX PR 07-APR-2000; 2000DE-01019173.

XX (EPIC-) EPIGENOMICS AG.

XX PI Olek A, Piepenbrock C, Berlin K;

XX WPI; 2001-657177/75.

XX Set of oligonucleotides, useful for diagnosis and cell typing, is
 PT designed to detect single-nucleotide polymorphisms and cytosine
 PT methylation status.

XX Claim 1; SEQ ID NO 27347; 29pp + Sequence Listing; German.

XX This invention describes novel oligonucleotide primers or peptide nucleic
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
 CC and cytosine methylation status in chemically pretreated genomic DNA. The
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
 CC range of diseases including immune system, gastrointestinal, respiratory,
 CC central nervous system, cardiovascular and metabolic disorders. The
 CC oligomers are also used for detecting cell type differentiation. ABC000010
 CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
 CC represent the oligomers described in the invention. NOTE: The sequence
 CC data for this patent did not form part of the printed specification, but
 CC was obtained in electronic format from WIPO at
 CC ftp.wipo.int/pub/published_pct_sequences

XX SQ Sequence 13 BP; 2 A; 0 C; 5 G; 5 T; 0 U; 1 Other;

Query Match 12.9%; Score 9.4; DB 1; Length 13;
 Best Local Similarity 76.9%; Pred. No. 1.3e+03;
 Matches 10; Conservative 1; Mismatches 2; Indels 0; Gaps 0;

QY 946 GGTTTAATGATC 958

Db 1 GGTTTAATGGTY 13

RESULT 1847

ABC52784
 ID ABC52784 standard; DNA; 13 BP.

XX AC ABC52784;

XX DT 21-FEB-2002 (first entry)

XX DE Oligonucleotide SEQ ID NO 52801 for detecting SNP TSC0014620.

XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
 KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
 KW central nervous system; gastrointestinal; respiratory; immune; metabolic.

XX OS Homo sapiens.

XX FN WO200177384-A2.

XX PD 18-OCT-2001.

XX PF 06-APR-2001; 2001WO-IB000713.

XX PR 07-APR-2000; 2000DE-01019173.

XX (EPIC-) EPIGENOMICS AG.

XX PI Olek A, Piepenbrock C, Berlin K;

XX WPI; 2001-657177/75.

XX Set of oligonucleotides, useful for diagnosis and cell typing, is
 PT designed to detect single-nucleotide polymorphisms and cytosine
 PT methylation status.

XX Claim 1; SEQ ID NO 52801; 29pp + Sequence Listing; German.

XX This invention describes novel oligonucleotide primers or peptide nucleic
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
 CC and cytosine methylation status in chemically pretreated genomic DNA. The
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
 CC range of diseases including immune system, gastrointestinal, respiratory,
 CC central nervous system, cardiovascular and metabolic disorders. The
 CC oligomers are also used for detecting cell type differentiation. ABC000010
 CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
 CC represent the oligomers described in the invention. NOTE: The sequence
 CC data for this patent did not form part of the printed specification, but
 CC was obtained in electronic format from WIPO at
 CC ftp.wipo.int/pub/published_pct_sequences

XX SQ Sequence 13 BP; 0 A; 0 C; 3 G; 9 T; 0 U; 1 Other;

Query Match 12.9%; Score 9.4; DB 1; Length 13;
 Best Local Similarity 76.9%; Pred. No. 1.3e+03;
 Matches 10; Conservative 1; Mismatches 2; Indels 0; Gaps 0;

QY 909 TTTCCTTGGTCTT 921

Db 1 TTTCCTTGGTCTT 13

RESULT 1848

ABC78033/C
 ID ABC78033 standard; DNA; 13 BP.

XX AC ABC78033;

XX DT 21-FEB-2002 (first entry)


```
PS Claim 1; SEQ ID NO 103751; 29pp + Sequence Listing; German.
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 13 BP; 1 A; 0 C; 3 G; 8 T; 0 U; 1 Other;
    Query Match      12.9%; Score 9.4; DB 1; Length 13;
    Best Local Similarity 76.9%; Pred. No. 1.3e+03;
    Matches 10; Conservative 1; Mismatches 2; Indels 0; Gaps 0;
QY 903 GGTCAATTTCTTT 915
DB 1 GGTGATTTTTTY 13
    ||| ||||| |||
    ||| ||||| |||
RESULT 1851
ABC04591/c
ID ABC04591 standard; DNA; 13 BP.
XX
AC ABC04591;
XX
DT 20-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 4592 for detecting SNP TSC0001664.
XX
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
XX WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
DR WPI; 2001-657177/75.
XX
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
XX designed to detect single-nucleotide polymorphisms and cytosine
XX methylation status.
XX
PS Claim 1; SEQ ID NO 4582; 29pp + Sequence Listing; German.
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 13 BP; 1 A; 0 C; 3 G; 8 T; 0 U; 1 Other;
    Query Match      12.9%; Score 9.4; DB 1; Length 13;
    Best Local Similarity 76.9%; Pred. No. 1.3e+03;
    Matches 10; Conservative 1; Mismatches 2; Indels 0; Gaps 0;
QY 903 GGTCAATTTCTTT 915
DB 1 GGTGATTTTTTY 13
    ||| ||||| |||
    ||| ||||| |||
RESULT 1852
ABC54044/c
ID ABC54044 standard; DNA; 13 BP.
XX
AC ABC54044;
XX
DT 21-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 54061 for detecting SNP TSC0014864.
XX
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
XX WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
DR WPI; 2001-657177/75.
XX
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
XX designed to detect single-nucleotide polymorphisms and cytosine
XX methylation status.
XX
PS Claim 1; SEQ ID NO 54061; 29pp + Sequence Listing; German.
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 13 BP; 7 A; 0 C; 6 G; 0 T; 0 U; 0 Other;
    Query Match      12.9%; Score 9.4; DB 1; Length 13;
    Best Local Similarity 90.9%; Pred. No. 1.3e+03;
    Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
QY 924 CCTTTTATCCC 934
DB 12 CCTTTTATCCC 2
    ||||| |||||
    ||||| |||||
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PI Olek A, Piepenbrock C, Berlin K;
XX WPI; 2001-657177/75.
XX
XX
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
XX Claim 1; SEQ ID NO 30480; 29pp + Sequence Listing; German.
XX
XX This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
XX Sequence 13 BP; 7 A; 2 C; 0 G; 3 T; 0 U; 1 Other;
XX
XX Query Match 12.9%; Score 9.4; DB 1; Length 13;
XX Best Local Similarity 76.9%; Pred. No. 1.3e+03;
XX Matches 10; Conservative 1; Mismatches 2; Indels 0; Gaps 0;
XX
XX QY 938 TCTTCATGTTT 950
XX Db 13 TATTAATGTTT 1
XX
XX RESULT 1856
XX ABF06322
XX ID ABF06322 standard; DNA; 13 BP.
XX
XX AC ABF06322;
XX
XX DT 21-FEB-2002 (first entry)
XX
XX DE Oligonucleotide SEQ ID NO 106319 for detecting SNP TSC0026646.
XX
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
XX OS Homo sapiens.
XX
XX PN WO200177384-A2.
XX
XX PD 18-OCT-2001.
XX
XX DT 21-FEB-2002 (first entry)
XX
XX DE Oligonucleotide SEQ ID NO 106319 for detecting SNP TSC0026646.
XX
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
XX OS Homo sapiens.
XX
XX PN WO200177384-A2.
XX
XX PD 18-OCT-2001.
XX
XX PF 06-APR-2001; 2001WO-IB000713.
XX
XX PR 07-APR-2000; 2000DE-01019173.
XX
XX PA (EPIG-) EPIGENOMICS AG.
XX
XX PI Olek A, Piepenbrock C, Berlin K;
XX
XX WPI; 2001-657177/75.
XX
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
XX Claim 1; SEQ ID NO 106319; 29pp + Sequence Listing; German.
XX
XX This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
XX Sequence 13 BP; 2 A; 0 C; 2 G; 9 T; 0 U; 0 Other;
XX
XX Query Match 12.9%; Score 9.4; DB 1; Length 13;
XX Best Local Similarity 90.9%; Pred. No. 1.3e+03;
XX Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
XX
XX QY 908 TTTTCTTTGTT 918
XX Db 1 TTTTATTTGTT 11
XX
XX RESULT 1857
XX ABC57984
XX ID ABC57984 standard; DNA; 13 BP.
XX
XX AC ABC57984;
XX
XX DT 21-FEB-2002 (first entry)
XX
XX DE Oligonucleotide SEQ ID NO 58001 for detecting SNP TSC0015581.
XX
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
XX OS Homo sapiens.
XX
XX PN WO200177384-A2.
XX
XX PD 18-OCT-2001.
XX
XX PF 06-APR-2001; 2001WO-IB000713.
XX
XX PR 07-APR-2000; 2000DE-01019173.
XX
XX PA (EPIG-) EPIGENOMICS AG.
XX
XX PI Olek A, Piepenbrock C, Berlin K;
XX
XX WPI; 2001-657177/75.
XX
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
XX Claim 1; SEQ ID NO 58001; 29pp + Sequence Listing; German.
XX
XX This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
XX Sequence 13 BP; 2 A; 0 C; 3 G; 8 T; 0 U; 0 Other;
XX
XX Query Match 12.9%; Score 9.4; DB 1; Length 13;
```


XX	Best Local Similarity	90.9%;	Pred. No. 1.3e+03;	Mismatches	0;	Gaps	0;
DT	Indels	1;					
DE	Query Match	12.9%;	Score 9.4;	DB 1;	Length 13;		
XX	Best Local Similarity	90.9%;	Pred. No. 1.3e+03;	Mismatches	0;	Gaps	0;
XX	Mismatches	10;	Conservative	0;			
QY	947 GTTTAATGTTAT 957						
Db	1 GTTTGAATGTTAT 11						
RESULT 1858							
ABC08883	ID	ABC08883	standard; DNA; 13 BP.				
XX	AC	ABC08883;					
XX	20-FEB-2002	(first entry)					
XX	Oligonucleotide SEQ ID NO 874	for detecting SNP TSC0002401.					
XX	SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;						
XX	peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;						
XX	central nervous system; gastrointestinal; respiratory; immune; metabolic.						
OS	Homo sapiens.						
XX	WO200177384-A2.						
EN	18-OCT-2001.						
XX	06-APR-2001; 2001WO-IB000713.						
XX	07-APR-2000; 2000DE-01019173.						
XX	(EPIG-) EPIGENOMICS AG.						
PA	Olek A, Piepenbrock C, Berlin K;						
XX	WPI; 2001-657177/75.						
XX	Set of oligonucleotides, useful for diagnosis and cell typing, is						
PT	designed to detect single-nucleotide polymorphisms and cytosine						
PT	methylation status.						
XX	Claim 1; SEQ ID NO 874; 29pp + Sequence Listing; German.						
PS	This invention describes novel oligonucleotide primers or peptide nucleic						
CC	acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)						
CC	and cytosine methylation status in chemically pretreated genomic DNA. The						
CC	oligonucleotides are used for diagnosis and/or prognosis of cancer and a						
CC	range of diseases including immune system, gastrointestinal, respiratory,						
CC	central nervous system, cardiovascular and metabolic disorders. The						
CC	oligomers are also used for detecting cell type differentiation. ABC00010						
CC	-ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073						
CC	represent the oligomers described in the invention. NOTE: The sequence						
CC	data for this patent did not form part of the printed specification, but						
CC	was obtained in electronic format from WIPO at						
CC	ftp.wipo.int/pub/published_pct_sequences						
XX	Sequence 13 BP; 1 A; 5 C; 0 G; 7 T; 0 U; 0 Other;						
XX	Query Match	12.9%;	Score 9.4;	DB 1;	Length 13;		
XX	Best Local Similarity	90.9%;	Pred. No. 1.3e+03;	Mismatches	0;	Gaps	0;
XX	Mismatches	10;	Conservative	0;			
QY	924 CCTTTTATCCC 934						
Db	2 CCTTTTATCTC 12						
RESULT 1859							
ABC58136	ID	ABC58136	standard; DNA; 13 BP.				
XX	AC	ABC58136;					

CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 13 BP; 8 A; 0 C; 4 G; 1 T; 0 U; 0 Other;
Query Match 12.9%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 1.3e+03;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
QY 905 TCATTTCCTT 915
||| |||||
DB 13 TCCTTTCTTT 3
RESULT 1863
ABC8231/C
ID ABC8231 standard; DNA; 13 BP.
XX
AC ABC8231;
XX
DT 21-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 8248 for detecting SNP TSC0022172.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
FN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
DR WPI; 2001-657177/75.
XX
PT Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
PS Claim 1; SEQ ID NO 8248; 29pp + Sequence Listing; German.
CC
CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 13 BP; 7 A; 3 C; 0 G; 2 T; 0 U; 1 Other;
Query Match 12.9%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 1.3e+03;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
QY 947 GTTAATGTAT 957
||| |||||

DB 13 GTTGATGTAT 3
RESULT 1864
ABC39266/C
ID ABC39266 standard; DNA; 13 BP.
XX
AC ABC39266;
XX
DT 20-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 39283 for detecting SNP TSC0012032.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
FN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
DR WPI; 2001-657177/75.
XX
PT Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
PS Claim 1; SEQ ID NO 39283; 29pp + Sequence Listing; German.
CC
CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 13 BP; 4 A; 1 C; 5 G; 2 T; 0 U; 0 Other;
Query Match 12.9%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 1.3e+03;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
QY 955 TATCGCTACCA 965
||| |||||
DB 12 TATCGCTACCA 2
RESULT 1865
ABC15528
ID ABC15528 standard; DNA; 13 BP.
XX
AC ABC15528;
XX
DT 20-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 15535 for detecting SNP TSC0003441.
XX

XX	(EPIG-) EPIGENOMICS AG.
XX	Olek A, Piepenbrock C, Berlin K;
XX	WPI; 2001-657177/75.
XX	Set of oligonucleotides, useful for diagnosis and cell typing, is
PT	designed to detect single-nucleotide polymorphisms and cytosine
PT	methylation status.
XX	Claim 1; SEQ ID NO 39918; 29pp + Sequence Listing; German.
XX	This invention describes novel oligonucleotide primers or peptide nucleic
XX	acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC	and cytosine methylation status in chemically pretreated genomic DNA. The
CC	oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC	range of diseases including immune system and metabolic disorders. The
CC	central nervous system, cardiovascular and gastrointestinal, respiratory,
CC	oligomers are also used for detecting cell type differentiation. ABC00010-
CC	-ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC	represent the oligomers described in the invention. NOTE: The sequence
CC	data for this patent did not form part of the printed specification, but
CC	was obtained in electronic format from WIPO at
CC	ftp.wipo.int/pub/published_pct_sequences
XX	Sequence 13 BP; 2 A; 5 C; 1 G; 4 T; 0 U; 1 Other;
XX	Query Match 12.9%; Score 9.4; DB 1; Length 13;
XX	Best Local Similarity 90.9%; Pred. No. 1.3e+03;
XX	Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
QY	930 ATCCCTCCTCT 940
DB	
	3 ATCCGTCCTCT 13
RESULT 1867	
ABC40250/c	ID
ABC40250 standard; DNA; 13 BP.	ID
ABC40250;	ABC40250;
21-FEB-2002 (first entry)	21-FEB-2002 (first entry)
Oligonucleotide SEQ ID NO 40267 for detecting SNP TSC0012231.	Oligonucleotide SEQ ID NO 40267 for detecting SNP TSC0012231.
SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;	SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;	peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
central nervous system; gastrointestinal, respiratory; immune; metabolic.	central nervous system; gastrointestinal, respiratory; immune; metabolic.
Homo sapiens.	Homo sapiens.
WO200177384-A2.	WO200177384-A2.
18-OCT-2001.	18-OCT-2001.
06-APR-2001; 2001WO-IB000713.	06-APR-2001; 2001WO-IB000713.
07-APR-2000; 2000DE-01019173.	07-APR-2000; 2000DE-01019173.
(EPIG-) EPIGENOMICS AG.	(EPIG-) EPIGENOMICS AG.
Olek A, Piepenbrock C, Berlin K;	Olek A, Piepenbrock C, Berlin K;
WPI; 2001-657177/75.	WPI; 2001-657177/75.
Set of oligonucleotides, useful for diagnosis and cell typing, is	Set of oligonucleotides, useful for diagnosis and cell typing, is
designed to detect single-nucleotide polymorphisms and cytosine	designed to detect single-nucleotide polymorphisms and cytosine
methylation status.	methylation status.
Claim 1; SEQ ID NO 40267; 29pp + Sequence Listing; German.	Claim 1; SEQ ID NO 40267; 29pp + Sequence Listing; German.

CC This invention describes novel oligonucleotide primers or peptide nucleic
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
 CC and cytosine methylation status in chemically pretreated genomic DNA. The
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
 CC range of diseases including immune system, gastrointestinal, respiratory,
 CC central nervous system, cardiovascular and metabolic disorders. The
 CC oligomers are also used for detecting cell type differentiation. ABC00010
 CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
 CC represent the oligomers described in the invention. NOTE: The sequence
 CC data for this patent did not form part of the printed specification, but
 CC was obtained in electronic format from WIPO at
 CC ftp.wipo.int/pub/published_pct_sequences

XX SQ Sequence 13 BP; 4 A; 1 C; 4 G; 4 T; 0 U; 0 Other;
 Query Match 12.9%; Score 9.4; DB 1; Length 13;
 Best Local Similarity 90.9%; Pred. No. 1.3e+03;
 Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 955 TATCGCTACCA 965
 Db 11 TATCGCTACCA 1

RESULT 1868
 ABF19666
 ID ABF19666 standard; DNA; 13 BP.
 XX AC ABF19666;
 XX DT 21-FEB-2002 (first entry)
 XX DE Oligonucleotide SEQ ID NO 119663 for detecting SNP TSC0029865.
 XX SNF; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
 KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
 KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
 XX OS Homo sapiens.
 XX PN WO200177384-A2.
 XX PD 18-OCT-2001.
 XX PF 06-APR-2001; 2001WO-IB000713.
 XX PR 07-APR-2000; 2000DE-01019173.
 XX PA (EPIG-) EPIGENOMICS AG.
 XX PI Olek A, Piepenbrock C, Berlin K;
 XX DR WPI; 2001-657177/75.
 XX PT Set of oligonucleotides, useful for diagnosis and cell typing, is
 XX designed to detect single-nucleotide polymorphisms and cytosine
 XX methylation status.

XX FS Claim 1; SEQ ID NO 119663; 29pp + Sequence Listing; German.
 XX CC This invention describes novel oligonucleotide primers or peptide nucleic
 XX acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
 XX and cytosine methylation status in chemically pretreated genomic DNA. The
 XX oligonucleotides are used for diagnosis and/or prognosis of cancer and a
 XX range of diseases including immune system, gastrointestinal, respiratory,
 XX central nervous system, cardiovascular and metabolic disorders. The
 XX oligomers are also used for detecting cell type differentiation. ABC00010
 XX -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
 XX represent the oligomers described in the invention. NOTE: The sequence
 XX data for this patent did not form part of the printed specification, but
 XX was obtained in electronic format from WIPO at
 XX ftp.wipo.int/pub/published_pct_sequences

SQ Sequence 13 BP; 2 A; 1 C; 4 G; 6 T; 0 U; 0 Other;
 Query Match 12.9%; Score 9.4; DB 1; Length 13;
 Best Local Similarity 90.9%; Pred. No. 1.3e+03;
 Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 907 ATTTTCTTTGG 917
 Db 2 ATTTTCTTTGG 12

RESULT 1869
 ABF24055
 ID ABF24055 standard; DNA; 13 BP.
 XX AC ABF24055;
 XX DT 21-FEB-2002 (first entry)
 XX DE Oligonucleotide SEQ ID NO 124052 for detecting SNP TSC0031019.
 XX SNF; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
 KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
 KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
 XX OS Homo sapiens.
 XX PN WO200177384-A2.
 XX PD 18-OCT-2001.
 XX PF 06-APR-2001; 2001WO-IB000713.
 XX PR 07-APR-2000; 2000DE-01019173.
 XX PA (EPIG-) EPIGENOMICS AG.
 XX PI Olek A, Piepenbrock C, Berlin K;
 XX DR WPI; 2001-657177/75.
 XX PT Set of oligonucleotides, useful for diagnosis and cell typing, is
 XX designed to detect single-nucleotide polymorphisms and cytosine
 XX methylation status.

XX FS Claim 1; SEQ ID NO 124052; 29pp + Sequence Listing; German.
 XX CC This invention describes novel oligonucleotide primers or peptide nucleic
 XX acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
 XX and cytosine methylation status in chemically pretreated genomic DNA. The
 XX oligonucleotides are used for diagnosis and/or prognosis of cancer and a
 XX range of diseases including immune system, gastrointestinal, respiratory,
 XX central nervous system, cardiovascular and metabolic disorders. The
 XX oligomers are also used for detecting cell type differentiation. ABC00010
 XX -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
 XX represent the oligomers described in the invention. NOTE: The sequence
 XX data for this patent did not form part of the printed specification, but
 XX was obtained in electronic format from WIPO at
 XX ftp.wipo.int/pub/published_pct_sequences

XX SQ Sequence 13 BP; 2 A; 4 C; 0 G; 7 T; 0 U; 0 Other;
 Query Match 12.9%; Score 9.4; DB 1; Length 13;
 Best Local Similarity 90.9%; Pred. No. 1.3e+03;
 Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 918 TCTTTGCCTTT 928
 Db 1 TCTTTGCCTTT 11

RESULT 1870
 ABF31384

DR WPI; 2001-657177/75.
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
XX Claim 1; SEQ ID NO 135478; 29pp + Sequence Listing; German.
XX
XX This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
XX Sequence 13 BP; 7 A; 5 C; 1 G; 0 T; 0 U; 0 Other;
SQ
Query Match 12.9%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 1.3e+03;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
QY 940 TTCATGTTT 950
Db 13 TTCGTTGTTT 3
RESULT 1873
ABF35871/c
ID ABF35871 standard; DNA; 13 BP.
XX
AC ABF35871;
XX
XX 21-FEB-2002 (first entry)
XX
XX Oligonucleotide SEQ ID NO 135868 for detecting SNP TSC0033928.
DE
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
XX WO200177384-A2.
XX
XX 18-OCT-2001.
XX
XX 06-APR-2001; 2001WO-IB000713.
XX
XX 07-APR-2000; 2000DE-01019173.
XX
XX (EPIG-) EPIGENOMICS AG.
XX
XX Olek A, Piepenbrock C, Berlin K;
XX
XX WPI; 2001-657177/75.
XX
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
XX Claim 1; SEQ ID NO 135868; 29pp + Sequence Listing; German.
XX
XX This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
XX Sequence 13 BP; 7 A; 5 C; 1 G; 0 T; 0 U; 0 Other;
SQ
Query Match 12.9%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 1.3e+03;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
QY 940 TTCATGTTT 950
Db 13 TTCGTTGTTT 3
RESULT 1873
ABF35871/c
ID ABF35871 standard; DNA; 13 BP.
XX
AC ABF35871;
XX
XX 21-FEB-2002 (first entry)
XX
XX Oligonucleotide SEQ ID NO 135868 for detecting SNP TSC0033928.
DE
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
XX WO200177384-A2.
XX
XX 18-OCT-2001.
XX
XX 06-APR-2001; 2001WO-IB000713.
XX
XX 07-APR-2000; 2000DE-01019173.
XX
XX (EPIG-) EPIGENOMICS AG.
XX
XX Olek A, Piepenbrock C, Berlin K;
XX
XX WPI; 2001-657177/75.
XX
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
XX Claim 1; SEQ ID NO 135868; 29pp + Sequence Listing; German.
XX
XX This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
XX Sequence 13 BP; 5 A; 3 C; 0 G; 5 T; 0 U; 0 Other;
SQ
Query Match 12.9%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 1.3e+03;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
QY 949 TTAATGATCG 959
Db 12 TTAATGATAG 2
RESULT 1874
ABH18330
ID ABH18330 standard; DNA; 13 BP.
XX
AC ABH18330;
XX
XX 22-FEB-2002 (first entry)
XX
XX Oligonucleotide SEQ ID NO 218307 for detecting SNP TSC0053079.
DE
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
XX WO200177384-A2.
XX
XX 18-OCT-2001.
XX
XX 06-APR-2001; 2001WO-IB000713.
XX
XX 07-APR-2000; 2000DE-01019173.
XX
XX (EPIG-) EPIGENOMICS AG.
XX
XX Olek A, Piepenbrock C, Berlin K;
XX
XX WPI; 2001-657177/75.
XX
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
XX Claim 1; SEQ ID NO 218307; 29pp + Sequence Listing; German.
XX
XX This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
XX Sequence 13 BP; 0 A; 0 C; 4 G; 8 T; 0 U; 1 Other;
SQ
Query Match 12.9%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 1.3e+03;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;


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PF 06-APR-2001; 2001WO-IB000713.
XX
XX
XX 07-APR-2000; 2000DE-01019173.
XX
XX (EPIG-) EPIGENOMICS AG.
XX
XX Olek A, Piepenbrock C, Berlin K;
XX
XX WPI; 2001-657177/75.
XX
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
XX designed to detect single-nucleotide polymorphisms and cytosine
XX methylation status.
XX
XX Claim 1; SEQ ID NO 170120; 29pp + Sequence Listing; German.
XX
XX This invention describes novel oligonucleotide primers or peptide nucleic
XX acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
XX and cytosine methylation status in chemically pretreated genomic DNA. The
XX oligonucleotides are used for diagnosis and/or prognosis of cancer and a
XX range of diseases including immune system, gastrointestinal, respiratory,
XX central nervous system, cardiovascular and metabolic disorders. The
XX oligomers are also used for detecting cell type differentiation. ABC00010
XX -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
XX represent the oligomers described in the invention. NOTE: The sequence
XX data for this patent did not form part of the printed specification, but
XX was obtained in electronic format from WIPO at
XX ftp.wipo.int/pub/published_pct_sequences
XX
XX Sequence 13 BP; 8 A; 2 C; 0 G; 3 T; 0 U; 0 Other;
XX
XX Query Match 12.9%; Score 9.4; DB 1; Length 13;
XX Best Local Similarity 90.9%; Pred. No. 1.3e+03;
XX Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
XX
XX QY 949 TTAATGATCG 959
XX 12 TTAATGATG 2
XX
XX RESULT 1878
XX ABF71267/C
XX ID ABF71267 standard; DNA; 13 BP.
XX
XX AC ABF71267;
XX
XX DT 22-FEB-2002 (first entry)
XX
XX DE Oligonucleotide SEQ ID NO 171264 for detecting SNP TSC0042699.
XX
XX KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
XX OS Homo sapiens.
XX
XX PN WO200177384-A2.
XX
XX PD 18-OCT-2001.
XX
XX PF 06-APR-2001; 2001WO-IB000713.
XX
XX PR 07-APR-2000; 2000DE-01019173.
XX
XX PA (EPIG-) EPIGENOMICS AG.
XX
XX PI Olek A, Piepenbrock C, Berlin K;
XX
XX WPI; 2001-657177/75.
XX
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
XX designed to detect single-nucleotide polymorphisms and cytosine
XX methylation status.
XX
XX Claim 1; SEQ ID NO 171264; 29pp + Sequence Listing; German.
XX
XX This invention describes novel oligonucleotide primers or peptide nucleic
XX acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
XX and cytosine methylation status in chemically pretreated genomic DNA. The
XX oligonucleotides are used for diagnosis and/or prognosis of cancer and a
XX range of diseases including immune system, gastrointestinal, respiratory,
XX central nervous system, cardiovascular and metabolic disorders. The
XX oligomers are also used for detecting cell type differentiation. ABC00010
XX -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
XX represent the oligomers described in the invention. NOTE: The sequence
XX data for this patent did not form part of the printed specification, but
XX was obtained in electronic format from WIPO at
XX ftp.wipo.int/pub/published_pct_sequences
XX
XX Sequence 13 BP; 7 A; 2 C; 0 G; 4 T; 0 U; 0 Other;
XX
XX Query Match 12.9%; Score 9.4; DB 1; Length 13;
XX Best Local Similarity 90.9%; Pred. No. 1.3e+03;
XX Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
XX
XX QY 949 TTAATGATCG 959
XX 12 TTAATGATG 2
XX
XX RESULT 1878
XX ABF71267/C
XX ID ABF71267 standard; DNA; 13 BP.
XX
XX AC ABF71267;
XX
XX DT 22-FEB-2002 (first entry)
XX
XX DE Oligonucleotide SEQ ID NO 171264 for detecting SNP TSC0037259.
XX
XX KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
XX OS Homo sapiens.
XX
XX PN WO200177384-A2.
XX
XX PD 18-OCT-2001.
XX
XX PF 06-APR-2001; 2001WO-IB000713.
XX
XX PR 07-APR-2000; 2000DE-01019173.
XX
XX PA (EPIG-) EPIGENOMICS AG.
XX
XX PI Olek A, Piepenbrock C, Berlin K;
XX
XX WPI; 2001-657177/75.
XX
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
XX designed to detect single-nucleotide polymorphisms and cytosine
XX methylation status.
XX
XX Claim 1; SEQ ID NO 171264; 29pp + Sequence Listing; German.
XX
XX This invention describes novel oligonucleotide primers or peptide nucleic
XX acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
XX and cytosine methylation status in chemically pretreated genomic DNA. The
XX oligonucleotides are used for diagnosis and/or prognosis of cancer and a
XX range of diseases including immune system, gastrointestinal, respiratory,
XX central nervous system, cardiovascular and metabolic disorders. The
XX oligomers are also used for detecting cell type differentiation. ABC00010
XX -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
XX represent the oligomers described in the invention. NOTE: The sequence
XX data for this patent did not form part of the printed specification, but
XX was obtained in electronic format from WIPO at
XX ftp.wipo.int/pub/published_pct_sequences
XX
XX Sequence 13 BP; 8 A; 2 C; 0 G; 3 T; 0 U; 0 Other;
XX
XX Query Match 12.9%; Score 9.4; DB 1; Length 13;
XX Best Local Similarity 90.9%; Pred. No. 1.3e+03;
XX Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
XX
XX QY 947 GTTTAATGAT 957
XX 13 GTTTAATGAT 3
XX
XX RESULT 1879
XX ABF47484/C
XX ID ABF47484 standard; DNA; 13 BP.
XX
XX AC ABF47484;
XX
XX DT 21-FEB-2002 (first entry)
XX
XX DE Oligonucleotide SEQ ID NO 147481 for detecting SNP TSC0037259.
XX
XX KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
XX OS Homo sapiens.
XX
XX PN WO200177384-A2.
XX
XX PD 18-OCT-2001.
XX
XX PF 06-APR-2001; 2001WO-IB000713.
XX
XX PR 07-APR-2000; 2000DE-01019173.
XX
XX PA (EPIG-) EPIGENOMICS AG.
XX
XX PI Olek A, Piepenbrock C, Berlin K;
XX
XX WPI; 2001-657177/75.
XX
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
XX designed to detect single-nucleotide polymorphisms and cytosine
XX methylation status.
XX
XX Claim 1; SEQ ID NO 147481; 29pp + Sequence Listing; German.
XX
XX This invention describes novel oligonucleotide primers or peptide nucleic
XX acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
XX and cytosine methylation status in chemically pretreated genomic DNA. The
XX oligonucleotides are used for diagnosis and/or prognosis of cancer and a
XX range of diseases including immune system, gastrointestinal, respiratory,
XX central nervous system, cardiovascular and metabolic disorders. The
XX oligomers are also used for detecting cell type differentiation. ABC00010
XX -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
XX represent the oligomers described in the invention. NOTE: The sequence
XX data for this patent did not form part of the printed specification, but
XX was obtained in electronic format from WIPO at
XX ftp.wipo.int/pub/published_pct_sequences
XX
XX Sequence 13 BP; 8 A; 2 C; 0 G; 3 T; 0 U; 0 Other;
XX
XX Query Match 12.9%; Score 9.4; DB 1; Length 13;
XX Best Local Similarity 90.9%; Pred. No. 1.3e+03;
XX Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
XX
XX QY 947 GTTTAATGAT 957
XX 13 GTTTAATGAT 3
XX
XX RESULT 1879
XX ABF47484/C
XX ID ABF47484 standard; DNA; 13 BP.
XX
XX AC ABF47484;
XX
XX DT 21-FEB-2002 (first entry)
XX
XX DE Oligonucleotide SEQ ID NO 147481 for detecting SNP TSC0037259.
XX
XX KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
XX OS Homo sapiens.
XX
XX PN WO200177384-A2.
XX
XX PD 18-OCT-2001.
XX
XX PF 06-APR-2001; 2001WO-IB000713.
XX
XX PR 07-APR-2000; 2000DE-01019173.
XX
XX PA (EPIG-) EPIGENOMICS AG.
XX
XX PI Olek A, Piepenbrock C, Berlin K;
XX
XX WPI; 2001-657177/75.
XX
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
XX designed to detect single-nucleotide polymorphisms and cytosine
XX methylation status.

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CC was obtained in electronic format from WIPO at
 CC ftp.wipo.int/pub/published_pct_sequences
 XX
 SQ Sequence 13 BP; 4 A; 0 C; 4 G; 5 T; 0 U; 0 Other;

Query Match 12.9%; Score 9.4; DB 1; Length 13;
 Best Local Similarity 90.9%; Pred. No. 1.3e+03;
 Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 956 ATCGCTACCAA 966
 DB 11 ATCTCTACCAA 1

RESULT 1880
 ABH00157
 ID ABH00157 standard; DNA; 13 BP.
 XX
 AC ABH00157;
 XX
 DT 22-FEB-2002 (first entry)
 XX

XX Oligonucleotide SEQ ID NO 200134 for detecting SNP TSC0049243.
 DE
 KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
 KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
 KW central nervous system; gastrointestinal; respiratory; immune; metabolic.

XX Homo sapiens.
 OS
 XX WO200177384-A2.
 PN
 XX 18-OCT-2001.
 PD
 XX 06-APR-2001; 2001WO-IB000713.
 PF
 XX 07-APR-2000; 2000DE-01019173.
 PR
 XX (EPIG-) EPIGENOMICS AG.
 PA

PI Olek A, Piepenbrock C, Berlin K;
 XX
 DR WPI; 2001-657177/75.

XX Set of oligonucleotides, useful for diagnosis and cell typing, is
 PT designed to detect single-nucleotide polymorphisms and cytosine
 PT methylation status.

PS Claim 1; SEQ ID NO 200134; 29pp + Sequence Listing; German.
 XX

CC This invention describes novel oligonucleotide primers or peptide nucleic
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
 CC and cytosine methylation status in chemically pretreated genomic DNA. The
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
 CC range of diseases including immune system, gastrointestinal, respiratory,
 CC central nervous system, cardiovascular and metabolic disorders. The
 CC oligomers are also used for detecting cell type differentiation. ABC00010
 CC -ABC99989, ABP00010-ABP99989, ABH00010-ABH99989 and ABI00010-ABI82073
 CC represent the oligomers described in the invention. NOTE: The sequence
 CC data for this patent did not form part of the printed specification, but
 CC was obtained in electronic format from WIPO at
 CC ftp.wipo.int/pub/published_pct_sequences
 XX

XX Sequence 13 BP; 0 A; 9 C; 0 G; 4 T; 0 U; 0 Other;
 Query Match 12.9%; Score 9.4; DB 1; Length 13;
 Best Local Similarity 90.9%; Pred. No. 1.3e+03;
 Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 929 TATCCCTCCTC 939
 DB 1 TCTCCCTCCTC 11

RESULT 1881
 ABF75624
 ID ABF75624 standard; DNA; 13 BP.
 XX
 AC ABF75624;
 XX
 DT 22-FEB-2002 (first entry)
 XX

XX Oligonucleotide SEQ ID NO 175621 for detecting SNP TSC0043631.
 DE
 KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
 KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
 KW central nervous system; gastrointestinal; respiratory; immune; metabolic.

XX Homo sapiens.
 OS
 XX WO200177384-A2.
 PN
 XX 18-OCT-2001.
 PD
 XX 06-APR-2001; 2001WO-IB000713.
 PF
 XX 07-APR-2000; 2000DE-01019173.
 PR

PA (BPIG-) EPIGENOMICS AG.
 PI Olek A, Piepenbrock C, Berlin K;
 XX

XX WPI; 2001-657177/75.
 DR

XX Set of oligonucleotides, useful for diagnosis and cell typing, is
 PT designed to detect single-nucleotide polymorphisms and cytosine
 PT methylation status.

PS Claim 1; SEQ ID NO 175621; 29pp + Sequence Listing; German.
 XX

CC This invention describes novel oligonucleotide primers or peptide nucleic
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
 CC and cytosine methylation status in chemically pretreated genomic DNA. The
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
 CC range of diseases including immune system, gastrointestinal, respiratory,
 CC central nervous system, cardiovascular and metabolic disorders. The
 CC oligomers are also used for detecting cell type differentiation. ABC00010
 CC -ABC99989, ABP00010-ABP99989, ABH00010-ABH99989 and ABI00010-ABI82073
 CC represent the oligomers described in the invention. NOTE: The sequence
 CC data for this patent did not form part of the printed specification, but
 CC was obtained in electronic format from WIPO at
 CC ftp.wipo.int/pub/published_pct_sequences
 XX

XX Sequence 13 BP; 1 A; 0 C; 3 G; 8 T; 0 U; 1 Other;
 Query Match 12.9%; Score 9.4; DB 1; Length 13;
 Best Local Similarity 76.9%; Pred. No. 1.3e+03;
 Matches 10; Conservative 1; Mismatches 2; Indels 0; Gaps 0;

QY 946 GCTTATATCTATC 958
 DB 1 GCTTATATCTT 13

RESULT 1882
 ABH27291
 ID ABH27291 standard; DNA; 13 BP.
 XX

XX ABH27291;
 XX
 DT 22-FEB-2002 (first entry)
 XX

XX Oligonucleotide SEQ ID NO 227268 for detecting SNP TSC005438.

XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
 KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;

KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX Homo sapiens.
XX WO200177384-A2.
XX 18-OCT-2001.
XX 06-APR-2001; 2001WO-IB000713.
XX 07-APR-2000; 2000DE-01019173.
XX (EPIG-) EPIGENOMICS AG.
XX Olek A, Piepenbrock C, Berlin K;
XX WPI; 2001-657177/75.
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX Claim 1; SEQ ID NO 227268; 29pp + Sequence Listing; German.
XX This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
XX Sequence 13 BP; 1 A; 5 C; 0 G; 7 T; 0 U; 0 Other;
SQ
Query Match 12.9%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 1.3e+03;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
QY 905 TCATTCTCTTT 915
DB 2 TCATTCTCTTT 12
RESULT 1883
ABH03394
ID ABH03394 standard; DNA; 13 BP.
XX
XX AC ABH03394;
XX
XX 22-FEB-2002 (first entry)
XX Oligonucleotide SEQ ID NO 203371 for detecting SNP TSC0049945.
DE
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX Homo sapiens.
XX WO200177384-A2.
XX 18-OCT-2001.
XX 06-APR-2001; 2001WO-IB000713.
XX 07-APR-2000; 2000DE-01019173.
XX (EPIG-) EPIGENOMICS AG.
FA

XX Olek A, Piepenbrock C, Berlin K;
XX WPI; 2001-657177/75.
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX Claim 1; SEQ ID NO 203371; 29pp + Sequence Listing; German.
XX This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
XX Sequence 13 BP; 3 A; 0 C; 3 G; 7 T; 0 U; 0 Other;
SQ
Query Match 12.9%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 1.3e+03;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
QY 943 ATTGGTTTAAAT 953
DB 1 ATTGGTTTAAAT 11
RESULT 1884
ABF54251/c
ID ABF54251 standard; DNA; 13 BP.
XX
XX AC ABF54251;
XX
XX 21-FEB-2002 (first entry)
XX Oligonucleotide SEQ ID NO 154248 for detecting SNP TSC0038983.
DE
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX Homo sapiens.
XX WO200177384-A2.
XX 18-OCT-2001.
XX 06-APR-2001; 2001WO-IB000713.
XX 07-APR-2000; 2000DE-01019173.
XX (EPIG-) EPIGENOMICS AG.
XX Olek A, Piepenbrock C, Berlin K;
XX WPI; 2001-657177/75.
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX Claim 1; SEQ ID NO 154248; 29pp + Sequence Listing; German.
XX This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC

CC and cytosine methylation status in chemically pretreated genomic DNA. The
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
 CC range of diseases including immune system, gastrointestinal, respiratory,
 CC central nervous system, cardiovascular and metabolic disorders. The
 CC oligomers are also used for detecting cell type differentiation. ABC00010
 CC -AB099989, AB000010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
 CC represent the oligomers described in the invention. NOTE: The sequence
 CC data for this patent did not form part of the printed specification, but
 CC was obtained in electronic format from WIPO at
 CC ftp.wipo.int/pub/published_pct_sequences
 XX
 SQ Sequence 13 BP; 8 A; 3 C; 0 G; 2 T; 0 U; 0 Other;

Query Match 12.9%; Score 9.4; DB 1; Length 13;
 Best Local Similarity 90.9%; Pred. No. 1.3e+03;
 Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 907 ATTCTTTGG 917

Db 12 ATTTTGG 2

RESULT 1885
 ABH04879/C
 ID ABH04879 standard; DNA; 13 BP.

XX ABH04879;

AC ABH04879;

XX 22-FEB-2002 (first entry)

XX Oligonucleotide SEQ ID NO 204856 for detecting SNP TSC0010223.

XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
 KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
 KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
 XX
 OS Homo sapiens.

PN WO200177384-A2.

XX 18-OCT-2001.

PF 06-APR-2001; 2001WO-IB000713.

PR 07-APR-2000; 2000DE-01019173.

XX (EPIG-) EPIGENOMICS AG.

PI Olek A, Piepenbrock C, Berlin K;

DR WPI; 2001-657177/75.

XX Set of oligonucleotides, useful for diagnosis and cell typing, is
 PT designed to detect single-nucleotide polymorphisms and cytosine
 PT methylation status.

PS Claim 1; SEQ ID NO 204856; 29pp + Sequence Listing; German.

XX This invention describes novel oligonucleotide primers or peptide nucleic
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
 CC and cytosine methylation status in chemically pretreated genomic DNA. The
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
 CC range of diseases including immune system, gastrointestinal, respiratory,
 CC central nervous system, cardiovascular and metabolic disorders. The
 CC oligomers are also used for detecting cell type differentiation. ABC00010
 CC -AB099989, AB000010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
 CC represent the oligomers described in the invention. NOTE: The sequence
 CC data for this patent did not form part of the printed specification, but
 CC was obtained in electronic format from WIPO at
 CC ftp.wipo.int/pub/published_pct_sequences

SQ Sequence 13 BP; 8 A; 4 C; 0 G; 1 T; 0 U; 0 Other;

Query Match 12.9%; Score 9.4; DB 1; Length 13;
 Best Local Similarity 90.9%; Pred. No. 1.3e+03;
 Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 940 TTTCATTGGTTT 950

Db 13 TTTATTGGTTT 3

RESULT 1886

ABH32349/C
 ID ABH32349 standard; DNA; 13 BP.

XX ABH32349;

AC ABH32349;

XX 22-FEB-2002 (first entry)

XX Oligonucleotide SEQ ID NO 232326 for detecting SNP TSC0056660.

XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
 KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
 KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
 XX
 OS Homo sapiens.

PN WO200177384-A2.

XX 18-OCT-2001.

PF 06-APR-2001; 2001WO-IB000713.

PR 07-APR-2000; 2000DE-01019173.

PA (EPIG-) EPIGENOMICS AG.

XX Olek A, Piepenbrock C, Berlin K;

PI WPI; 2001-657177/75.

XX Set of oligonucleotides, useful for diagnosis and cell typing, is
 PT designed to detect single-nucleotide polymorphisms and cytosine
 PT methylation status.

PS Claim 1; SEQ ID NO 232326; 29pp + Sequence Listing; German.

XX This invention describes novel oligonucleotide primers or peptide nucleic
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
 CC and cytosine methylation status in chemically pretreated genomic DNA. The
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
 CC range of diseases including immune system, gastrointestinal, respiratory,
 CC central nervous system, cardiovascular and metabolic disorders. The
 CC oligomers are also used for detecting cell type differentiation. ABC00010
 CC -AB099989, AB000010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
 CC represent the oligomers described in the invention. NOTE: The sequence
 CC data for this patent did not form part of the printed specification, but
 CC was obtained in electronic format from WIPO at
 CC ftp.wipo.int/pub/published_pct_sequences

XX Sequence 13 BP; 6 A; 1 C; 0 G; 6 T; 0 U; 0 Other;

Query Match 12.9%; Score 9.4; DB 1; Length 13;
 Best Local Similarity 90.9%; Pred. No. 1.3e+03;
 Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 943 ATTGGTTTAAAT 953

Db 11 ATTACTTTAAAT 1

RESULT 1887

ABH35003

ID ABH35003 standard; DNA; 13 BP.

XX

```

AC ABH35003;
DT 22-FEB-2002 (first entry)
DE Oligonucleotide SEQ ID NO 234980 for detecting SNP TSC0057373.
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
OS Homo sapiens.
XX WO200177384-A2.
XX 18-OCT-2001.
XX 06-APR-2001; 2001WO-IB000713.
XX 07-APR-2000; 2000DE-01019173.
XX (EPIG-) EPIGENOMICS AG.
XX Olek A, Piepenbrock C, Berlin K;
XX WPI; 2001-657177/75.
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
XX designed to detect single-nucleotide polymorphisms and cytosine
XX methylation status.
XX Claim 1; SEQ ID NO 234980; 29pp + Sequence Listing; German.
XX This invention describes novel oligonucleotide primers or peptide nucleic
XX acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
XX and cytosine methylation status in chemically pretreated genomic DNA. The
XX oligonucleotides are used for diagnosis and/or prognosis of cancer and a
XX range of diseases including immune system, gastrointestinal, respiratory,
XX central nervous system, cardiovascular and metabolic disorders. The
XX oligomers are also used for detecting cell type differentiation. ABC00010
XX -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
XX represent the oligomers described in the invention. NOTE: The sequence
XX data for this patent did not form part of the printed specification, but
XX was obtained in electronic format from WIPO at
XX ftp.wipo.int/pub/published_pct_sequences
XX Sequence 13 BP; 2 A; 6 C; 0 G; 4 T; 0 U; 1 Other;
XX This invention describes novel oligonucleotide primers or peptide nucleic
XX acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
XX and cytosine methylation status in chemically pretreated genomic DNA. The
XX oligonucleotides are used for diagnosis and/or prognosis of cancer and a
XX range of diseases including immune system, gastrointestinal, respiratory,
XX central nervous system, cardiovascular and metabolic disorders. The
XX oligomers are also used for detecting cell type differentiation. ABC00010
XX -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
XX represent the oligomers described in the invention. NOTE: The sequence
XX data for this patent did not form part of the printed specification, but
XX was obtained in electronic format from WIPO at
XX ftp.wipo.int/pub/published_pct_sequences
XX Sequence 13 BP; 2 A; 6 C; 0 G; 4 T; 0 U; 1 Other;
XX Query Match 12.9%; Score 9.4; DB 1; Length 13;
XX Best Local Similarity 76.9%; Pred. No. 1.3e+03;
XX Matches 10; Conservative 1; Mismatches 2; Indels 0; Gaps 0;
QY 923 GCCTTTATCCCT 935
DB 1 RCCTTATCCCT 13
:|||||
:|||||
RESULT 1888
ABF85805/C
ID ABF85805 standard; DNA; 13 BP.
XX AC ABF85805;
XX 22-FEB-2002 (first entry)
XX Oligonucleotide SEQ ID NO 185802 for detecting SNP TSC0045794.
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX Peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX Central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX Homo sapiens.
XX WO200177384-A2.
XX 18-OCT-2001.
XX 06-APR-2001; 2001WO-IB000713.
XX 07-APR-2000; 2000DE-01019173.
XX (EPIG-) EPIGENOMICS AG.
XX Olek A, Piepenbrock C, Berlin K;
XX WPI; 2001-657177/75.
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
XX designed to detect single-nucleotide polymorphisms and cytosine
XX methylation status.
XX Claim 1; SEQ ID NO 234980; 29pp + Sequence Listing; German.
XX This invention describes novel oligonucleotide primers or peptide nucleic
XX acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
XX and cytosine methylation status in chemically pretreated genomic DNA. The
XX oligonucleotides are used for diagnosis and/or prognosis of cancer and a
XX range of diseases including immune system, gastrointestinal, respiratory,
XX central nervous system, cardiovascular and metabolic disorders. The
XX oligomers are also used for detecting cell type differentiation. ABC00010
XX -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
XX represent the oligomers described in the invention. NOTE: The sequence
XX data for this patent did not form part of the printed specification, but
XX was obtained in electronic format from WIPO at
XX ftp.wipo.int/pub/published_pct_sequences
XX Sequence 13 BP; 2 A; 6 C; 0 G; 4 T; 0 U; 1 Other;
XX Query Match 12.9%; Score 9.4; DB 1; Length 13;
XX Best Local Similarity 76.9%; Pred. No. 1.3e+03;
XX Matches 10; Conservative 1; Mismatches 2; Indels 0; Gaps 0;
QY 923 GCCTTTATCCCT 935
DB 1 RCCTTATCCCT 13
:|||||
:|||||
RESULT 1889
ABH36111/C
ID ABH36111 standard; DNA; 13 BP.
XX AC ABH36111;
XX 22-FEB-2002 (first entry)
XX Oligonucleotide SEQ ID NO 236088 for detecting SNP TSC0004735.
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX Peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX Central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX Homo sapiens.
XX WO200177384-A2.
XX 18-OCT-2001.
XX 06-APR-2001; 2001WO-IB000713.
XX 07-APR-2000; 2000DE-01019173.
XX (EPIG-) EPIGENOMICS AG.
XX Olek A, Piepenbrock C, Berlin K;
XX WPI; 2001-657177/75.
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
XX designed to detect single-nucleotide polymorphisms and cytosine
XX methylation status.
XX Claim 1; SEQ ID NO 185802; 29pp + Sequence Listing; German.
XX This invention describes novel oligonucleotide primers or peptide nucleic
XX acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
XX and cytosine methylation status in chemically pretreated genomic DNA. The
XX oligonucleotides are used for diagnosis and/or prognosis of cancer and a
XX range of diseases including immune system, gastrointestinal, respiratory,
XX central nervous system, cardiovascular and metabolic disorders. The
XX oligomers are also used for detecting cell type differentiation. ABC00010
XX -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
XX represent the oligomers described in the invention. NOTE: The sequence
XX data for this patent did not form part of the printed specification, but
XX was obtained in electronic format from WIPO at
XX ftp.wipo.int/pub/published_pct_sequences
XX Sequence 13 BP; 8 A; 3 C; 0 G; 2 T; 0 U; 0 Other;
XX Query Match 12.9%; Score 9.4; DB 1; Length 13;
XX Best Local Similarity 90.9%; Pred. No. 1.3e+03;
XX Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
QY 947 GTTTATGTAT 957
DB 13 GTTTATGTAT 3
:|||||
:|||||
RESULT 1899
ABH36111/C
ID ABH36111 standard; DNA; 13 BP.
XX AC ABH36111;
XX 22-FEB-2002 (first entry)
XX Oligonucleotide SEQ ID NO 236088 for detecting SNP TSC0004735.
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX Peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX Central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX Homo sapiens.
XX WO200177384-A2.
XX 18-OCT-2001.
XX 06-APR-2001; 2001WO-IB000713.
XX 07-APR-2000; 2000DE-01019173.
XX (EPIG-) EPIGENOMICS AG.
XX Olek A, Piepenbrock C, Berlin K;
XX WPI; 2001-657177/75.
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
XX designed to detect single-nucleotide polymorphisms and cytosine
XX methylation status.
XX Claim 1; SEQ ID NO 185802; 29pp + Sequence Listing; German.
XX This invention describes novel oligonucleotide primers or peptide nucleic
XX acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
XX and cytosine methylation status in chemically pretreated genomic DNA. The
XX oligonucleotides are used for diagnosis and/or prognosis of cancer and a
XX range of diseases including immune system, gastrointestinal, respiratory,
XX central nervous system, cardiovascular and metabolic disorders. The
XX oligomers are also used for detecting cell type differentiation. ABC00010
XX -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
XX represent the oligomers described in the invention. NOTE: The sequence
XX data for this patent did not form part of the printed specification, but
XX was obtained in electronic format from WIPO at
XX ftp.wipo.int/pub/published_pct_sequences
XX Sequence 13 BP; 8 A; 3 C; 0 G; 2 T; 0 U; 0 Other;
XX Query Match 12.9%; Score 9.4; DB 1; Length 13;
XX Best Local Similarity 90.9%; Pred. No. 1.3e+03;
XX Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
QY 947 GTTTATGTAT 957
DB 13 GTTTATGTAT 3
:|||||
:|||||

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PT Set of oligonucleotides, useful for diagnosis and cell typing, is
 PT designed to detect single-nucleotide polymorphisms and cytosine
 PT methylation status.

XX Claim 1; SEQ ID NO 236088; 29pp + Sequence Listing; German.

XX This invention describes novel oligonucleotide primers or peptide nucleic
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
 CC and cytosine methylation status in chemically pretreated genomic DNA. The
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
 CC range of diseases including immune system, gastrointestinal, respiratory,
 CC central nervous system, cardiovascular and metabolic disorders. The
 CC oligomers are also used for detecting cell type differentiation. ABC00010
 CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
 CC represent the oligomers described in the invention. NOTE: The sequence
 CC data for this patent did not form part of the printed specification, but
 CC was obtained in electronic format from WIPO at
 CC ftp.wipo.int/pub/published_pct_sequences

XX Sequence 13 BP; 6 A; 4 C; 1 G; 2 T; 0 U; 0 Other;

Query Match 12.9%; Score 9.4; DB 1; Length 13;
 Best Local Similarity 90.9%; Pred. No. 1.3e+03;
 Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 941 TCATTGGTTTA 951

Db 11 TCGTTGGTTTA 1

RESULT 1890

ABF60977/C

ID ABF60977 standard; DNA; 13 BP.

XX AC ABF60977;

DT 22-FEB-2002 (first entry)

DE Oligonucleotide SEQ ID NO 160974 for detecting SNP TSC0005250.

XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
 KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
 KW central nervous system; gastrointestinal; respiratory; immune; metabolic.

OS Homo sapiens.

XX WO200177384-A2.

PN 18-OCT-2001.

PF 06-APR-2001; 2001WO-IB000713.

PR 07-APR-2000; 2000DE-01019173.

XX (EPIG-) EPIGENOMICS AG.

XX Olek A, Piepenbrock C, Berlin K;

XX WPI; 2001-657177/75.

XX Set of oligonucleotides, useful for diagnosis and cell typing, is
 PT designed to detect single-nucleotide polymorphisms and cytosine
 PT methylation status.

XX Claim 1; SEQ ID NO 160974; 29pp + Sequence Listing; German.

XX This invention describes novel oligonucleotide primers or peptide nucleic
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
 CC and cytosine methylation status in chemically pretreated genomic DNA. The
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
 CC range of diseases including immune system, gastrointestinal, respiratory,
 CC central nervous system, cardiovascular and metabolic disorders. The
 CC oligomers are also used for detecting cell type differentiation. ABC00010

CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
 CC represent the oligomers described in the invention. NOTE: The sequence
 CC data for this patent did not form part of the printed specification, but
 CC was obtained in electronic format from WIPO at
 CC ftp.wipo.int/pub/published_pct_sequences

XX Sequence 13 BP; 5 A; 4 C; 0 G; 3 T; 0 U; 1 Other;

Query Match 12.9%; Score 9.4; DB 1; Length 13;
 Best Local Similarity 90.9%; Pred. No. 1.3e+03;
 Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 947 GTTTAATGTAT 957

Db 13 GGTTAATGTAT 3

RESULT 1891

ABF61732

ID ABF61732 standard; DNA; 13 BP.

XX AC ABF61732;

DT 22-FEB-2002 (first entry)

XX Oligonucleotide SEQ ID NO 161729 for detecting SNP TSC0040712.

XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
 KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
 KW central nervous system; gastrointestinal; respiratory; immune; metabolic.

OS Homo sapiens.

XX WO200177384-A2.

XX 18-OCT-2001.

PF 06-APR-2001; 2001WO-IB000713.

PR 07-APR-2000; 2000DE-01019173.

XX (EPIG-) EPIGENOMICS AG.

XX Olek A, Piepenbrock C, Berlin K;

XX WPI; 2001-657177/75.

XX Set of oligonucleotides, useful for diagnosis and cell typing, is
 PT designed to detect single-nucleotide polymorphisms and cytosine
 PT methylation status.

XX Claim 1; SEQ ID NO 161729; 29pp + Sequence Listing; German.

XX This invention describes novel oligonucleotide primers or peptide nucleic
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
 CC and cytosine methylation status in chemically pretreated genomic DNA. The
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
 CC range of diseases including immune system, gastrointestinal, respiratory,
 CC central nervous system, cardiovascular and metabolic disorders. The
 CC oligomers are also used for detecting cell type differentiation. ABC00010
 CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
 CC represent the oligomers described in the invention. NOTE: The sequence
 CC data for this patent did not form part of the printed specification, but
 CC was obtained in electronic format from WIPO at
 CC ftp.wipo.int/pub/published_pct_sequences

XX Sequence 13 BP; 1 A; 1 C; 3 G; 7 T; 0 U; 1 Other;

Query Match 12.9%; Score 9.4; DB 1; Length 13;
 Best Local Similarity 76.9%; Pred. No. 1.3e+03;
 Matches 10; Conservative 1; Mismatches 2; Indels 0; Gaps 0;

QY 948 TTTAATGTATGCC 960

```
Db      1 TTTATTGTGCGY 13
RESULT 1892
ABH12114
ID ABH12114 standard; DNA; 13 BP.
XX
XX AC ABH12114;
XX
XX DT 22-FEB-2002 (first entry)
XX
XX DE Oligonucleotide SEQ ID NO 212091 for detecting SNP TSC0051687.
XX
XX KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
XX OS Homo sapiens.
XX
XX PN WO200177384-A2.
XX
XX PD 18-OCT-2001.
XX
XX PF 06-APR-2001; 2001WO-IB000713.
XX
XX PR 07-APR-2000; 2000DE-01019173.
XX
XX PA (EPIG-) EPIGENOMICS AG.
XX
XX PI Olek A, Piepenbrock C, Berlin K;
XX
XX DR WPI; 2001-657177/75.
XX
XX PT Set of oligonucleotides, useful for diagnosis and cell typing, is
XX designed to detect single-nucleotide polymorphisms and cytosine
XX methylation status.
XX
XX PS Claim 1; SEQ ID NO 212091; 29pp + Sequence Listing; German.
XX
XX CC This invention describes novel oligonucleotide primers or peptide nucleic
XX acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
XX and cytosine methylation status in chemically pretreated genomic DNA. The
XX oligonucleotides are used for diagnosis and/or prognosis of cancer and a
XX range of diseases including immune system, gastrointestinal, respiratory,
XX central nervous system, cardiovascular and metabolic disorders. The
XX oligomers are also used for detecting cell type differentiation. ABC00010
XX -ABC9989, ABF00010-ABF9989, ABH00010-ABH9989 and AB100010-AB182073
XX represent the oligomers described in the invention. NOTE: The sequence
XX data for this patent did not form part of the printed specification, but
XX was obtained in electronic format from WIPO at
XX ftp.wipo.int/pub/published_pct_sequences
XX
XX SQ Sequence 13 BP; 2 A; 0 C; 4 G; 6 T; 0 U; 1 Other;
XX
XX CC This invention describes novel oligonucleotide primers or peptide nucleic
XX acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
XX and cytosine methylation status in chemically pretreated genomic DNA. The
XX oligonucleotides are used for diagnosis and/or prognosis of cancer and a
XX range of diseases including immune system, gastrointestinal, respiratory,
XX central nervous system, cardiovascular and metabolic disorders. The
XX oligomers are also used for detecting cell type differentiation. ABC00010
XX -ABC9989, ABF00010-ABF9989, ABH00010-ABH9989 and AB100010-AB182073
XX represent the oligomers described in the invention. NOTE: The sequence
XX data for this patent did not form part of the printed specification, but
XX was obtained in electronic format from WIPO at
XX ftp.wipo.int/pub/published_pct_sequences
XX
XX SQ Sequence 13 BP; 2 A; 0 C; 4 G; 6 T; 0 U; 1 Other;
XX
XX Query Match 12.9%; Score 9.4; DB 1; Length 13;
XX Best Local Similarity 76.9%; Pred. No. 1.3e+03;
XX Matches 10; Conservative 1; Mismatches 2; Indels 0; Gaps 0;
XX
XX QY 943 ATTGGTTTAATCT 955
XX
XX DB 1 ATTGGTTTAATCT 13
XX
XX RESULT 1893
XX ABH12344
XX ID ABH12344 standard; DNA; 13 BP.
XX
XX AC ABH12344;
XX
XX XX
XX DT 22-FEB-2002 (first entry)
XX
XX DE Oligonucleotide SEQ ID NO 212321 for detecting SNP TSC0051719.
XX
XX KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
XX OS Homo sapiens.
XX
XX PN WO200177384-A2.
XX
XX PD 18-OCT-2001.
XX
XX PF 06-APR-2001; 2001WO-IB000713.
XX
XX PR 07-APR-2000; 2000DE-01019173.
XX
XX PA (EPIG-) EPIGENOMICS AG.
XX
XX PI Olek A, Piepenbrock C, Berlin K;
XX
XX DR WPI; 2001-657177/75.
XX
XX PT Set of oligonucleotides, useful for diagnosis and cell typing, is
XX designed to detect single-nucleotide polymorphisms and cytosine
XX methylation status.
XX
XX PS Claim 1; SEQ ID NO 212321; 29pp + Sequence Listing; German.
XX
XX CC This invention describes novel oligonucleotide primers or peptide nucleic
XX acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
XX and cytosine methylation status in chemically pretreated genomic DNA. The
XX oligonucleotides are used for diagnosis and/or prognosis of cancer and a
XX range of diseases including immune system, gastrointestinal, respiratory,
XX central nervous system, cardiovascular and metabolic disorders. The
XX oligomers are also used for detecting cell type differentiation. ABC00010
XX -ABC9989, ABF00010-ABF9989, ABH00010-ABH9989 and AB100010-AB182073
XX represent the oligomers described in the invention. NOTE: The sequence
XX data for this patent did not form part of the printed specification, but
XX was obtained in electronic format from WIPO at
XX ftp.wipo.int/pub/published_pct_sequences
XX
XX SQ Sequence 13 BP; 1 A; 0 C; 4 G; 7 T; 0 U; 1 Other;
XX
XX Query Match 12.9%; Score 9.4; DB 1; Length 13;
XX Best Local Similarity 76.9%; Pred. No. 1.3e+03;
XX Matches 10; Conservative 1; Mismatches 2; Indels 0; Gaps 0;
XX
XX QY 945 TGGTTTAAATGAT 957
XX
XX DB 1 TGGTTTAAATGAT 13
XX
XX RESULT 1894
XX ABF65193/C
XX ID ABF65193 standard; DNA; 13 BP.
XX
XX AC ABF65193;
XX
XX XX
XX DT 22-FEB-2002 (first entry)
XX
XX DE Oligonucleotide SEQ ID NO 165190 for detecting SNP TSC0041428.
XX
XX KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
XX OS Homo sapiens.
XX
XX PN WO200177384-A2.
XX
XX PD 18-OCT-2001.
XX
XX PF 06-APR-2001; 2001WO-IB000713.
XX
XX XX
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PR 07-APR-2000; 2000DE-01019173.
 XX (EPIG-) EPIGENOMICS AG.
 PA Olek A, Piepenbrock C, Berlin K;
 XX WPI; 2001-657177/75.
 DR Set of oligonucleotides, useful for diagnosis and cell typing, is
 PT designed to detect single-nucleotide polymorphisms and cytosine
 PT methylation status.
 XX Claim 1; SEQ ID NO 145190; 29pp + Sequence Listing; German.
 XX This invention describes novel oligonucleotide primers or peptide nucleic
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
 CC and cytosine methylation status in chemically pretreated genomic DNA. The
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
 CC range of diseases including immune system, gastrointestinal, respiratory,
 CC central nervous system, cardiovascular and metabolic disorders. The
 CC oligomers are also used for detecting cell type differentiation. ABC00010
 CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
 CC represent the oligomers described in the invention. NOTE: The sequence
 CC data for this patent did not form part of the printed specification, but
 CC was obtained in electronic format from WIPO at
 CC ftp.wipo.int/pub/published_pct_sequences
 XX SQ Sequence 13 BP; 6 A; 3 C; 0 G; 3 T; 0 U; 1 Other;
 Query Match 12.9%; Score 9.4; DB 1; Length 13;
 Best Local Similarity 76.9%; Pred. No. 1.3e+03;
 Matches 10; Conservative 1; Mismatches 2; Indels 0; Gaps 0;
 QY 946 GGTTTAATGATC 958
 Db 13 GGTTTAAGTTT 1
 RESULT 1895
 ABF91550
 ID ABF91550 standard; DNA; 13 BP.
 AC ABF91550;
 DT 22-FEB-2002 (first entry)
 DE Oligonucleotide SEQ ID NO 191547 for detecting SNP TSC0047136.
 XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
 KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
 KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
 XX Homo sapiens.
 OS
 XX WO200177384-A2.
 FN 18-OCT-2001.
 PD 06-APR-2001; 2001WO-IB000713.
 PF Oligonucleotide SEQ ID NO 191547 for detecting SNP TSC0047136.
 XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
 KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
 KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
 XX Homo sapiens.
 OS
 XX WO200177384-A2.
 FN 18-OCT-2001.
 PD 06-APR-2001; 2001WO-IB000713.
 PF Oligonucleotide SEQ ID NO 191547 for detecting SNP TSC0047136.
 XX (EPIG-) EPIGENOMICS AG.
 PA Olek A, Piepenbrock C, Berlin K;
 XX WPI; 2001-657177/75.
 DR Set of oligonucleotides, useful for diagnosis and cell typing, is
 PT designed to detect single-nucleotide polymorphisms and cytosine
 PT methylation status.
 XX Claim 1; SEQ ID NO 191547; 29pp + Sequence Listing; German.

XX This invention describes novel oligonucleotide primers or peptide nucleic
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
 CC and cytosine methylation status in chemically pretreated genomic DNA. The
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
 CC range of diseases including immune system, gastrointestinal, respiratory,
 CC central nervous system, cardiovascular and metabolic disorders. The
 CC oligomers are also used for detecting cell type differentiation. ABC00010
 CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
 CC represent the oligomers described in the invention. NOTE: The sequence
 CC data for this patent did not form part of the printed specification, but
 CC was obtained in electronic format from WIPO at
 CC ftp.wipo.int/pub/published_pct_sequences
 XX SQ Sequence 13 BP; 3 A; 0 C; 3 G; 7 T; 0 U; 0 Other;
 Query Match 12.9%; Score 9.4; DB 1; Length 13;
 Best Local Similarity 90.9%; Pred. No. 1.3e+03;
 Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
 QY 947 GTTTAATGAT 957
 Db 2 GTGTAATGAT 12
 RESULT 1896
 ABH44397
 ID ABH44397 standard; DNA; 13 BP.
 AC ABH44397;
 DT 22-FEB-2002 (first entry)
 DE Oligonucleotide SEQ ID NO 244374 for detecting SNP TSC0059649.
 XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
 KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
 KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
 XX Homo sapiens.
 OS
 XX WO200177384-A2.
 FN 18-OCT-2001.
 PD 06-APR-2001; 2001WO-IB000713.
 PF Oligonucleotide SEQ ID NO 244374 for detecting SNP TSC0059649.
 XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
 KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
 KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
 XX Homo sapiens.
 OS
 XX WO200177384-A2.
 FN 18-OCT-2001.
 PD 06-APR-2001; 2001WO-IB000713.
 PF Oligonucleotide SEQ ID NO 244374 for detecting SNP TSC0059649.
 XX (EPIG-) EPIGENOMICS AG.
 PA Olek A, Piepenbrock C, Berlin K;
 XX WPI; 2001-657177/75.
 DR Set of oligonucleotides, useful for diagnosis and cell typing, is
 PT designed to detect single-nucleotide polymorphisms and cytosine
 PT methylation status.
 XX Claim 1; SEQ ID NO 244374; 29pp + Sequence Listing; German.
 XX This invention describes novel oligonucleotide primers or peptide nucleic
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
 CC and cytosine methylation status in chemically pretreated genomic DNA. The
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
 CC range of diseases including immune system, gastrointestinal, respiratory,
 CC central nervous system, cardiovascular and metabolic disorders. The
 CC oligomers are also used for detecting cell type differentiation. ABC00010
 CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
 CC represent the oligomers described in the invention. NOTE: The sequence
 CC data for this patent did not form part of the printed specification, but
 CC was obtained in electronic format from WIPO at
 CC ftp.wipo.int/pub/published_pct_sequences


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XX SQ Sequence 13 BP; 3 A; 2 C; 0 G; 8 T; 0 U; 0 Other;
Query Match 12.9%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 1.3e+03;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 920 TTTCCTTTTA 930
Db 3 TTTACCTTTTA 13

RESULT 1899
ABH51303
ID ABH51303 standard; DNA; 13 BP.
XX AC ABH51303;
XX DT 22-FEB-2002 (first entry)
XX DE Oligonucleotide SEQ ID NO 251280 for detecting SNP TSC0061339.
XX SN; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX OS Homo sapiens.
XX PN WO200177384-A2.
XX PD 18-OCT-2001.
XX PF 06-APR-2001; 2001WO-IB000713.
XX PR 07-APR-2000; 2000DE-01019173.
XX PA (EPIC-) EPIGENOMICS AG.
XX PI Olek A, Piepenbrock C, Berlin K;
XX PI WPI; 2001-657177/75.
XX DR Set of oligonucleotides, useful for diagnosis and cell typing, is
XX PT designed to detect single-nucleotide polymorphisms and cytosine
XX PT methylation status.
XX PS Claim 1; SEQ ID NO 251280; 29pp + Sequence Listing; German.
XX CC This invention describes novel oligonucleotide primers or peptide nucleic
XX CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
XX CC and cytosine methylation status in chemically pretreated genomic DNA. The
XX CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
XX CC range of diseases including immune system, gastrointestinal, respiratory,
XX CC central nervous system, cardiovascular and metabolic disorders. The
XX CC oligomers are also used for detecting cell type differentiation. ABC00010
XX CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
XX CC represent the oligomers described in the invention. NOTE: The sequence
XX CC data for this patent did not form part of the printed specification, but
XX CC was obtained in electronic format from WIPO at
XX CC ftp.wipo.int/pub/published_pct_sequences
XX SQ Sequence 13 BP; 2 A; 2 C; 0 G; 8 T; 0 U; 1 Other;
Query Match 12.9%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 1.3e+03;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 920 TTTCCTTTTA 930
Db 3 TTTTCCTTTTA 13

RESULT 1899
ABH51303
ID ABH51303 standard; DNA; 13 BP.
XX AC ABH51303;
XX DT 22-FEB-2002 (first entry)
XX DE Oligonucleotide SEQ ID NO 251280 for detecting SNP TSC0061339.
XX SN; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX OS Homo sapiens.
XX PN WO200177384-A2.
XX PD 18-OCT-2001.
XX PF 06-APR-2001; 2001WO-IB000713.
XX PR 07-APR-2000; 2000DE-01019173.
XX PA (EPIC-) EPIGENOMICS AG.
XX PI Olek A, Piepenbrock C, Berlin K;
XX PI WPI; 2001-657177/75.
XX DR Set of oligonucleotides, useful for diagnosis and cell typing, is
XX PT designed to detect single-nucleotide polymorphisms and cytosine
XX PT methylation status.
XX PS Claim 1; SEQ ID NO 251280; 29pp + Sequence Listing; German.
XX CC This invention describes novel oligonucleotide primers or peptide nucleic
XX CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
XX CC and cytosine methylation status in chemically pretreated genomic DNA. The
XX CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
XX CC range of diseases including immune system, gastrointestinal, respiratory,
XX CC central nervous system, cardiovascular and metabolic disorders. The
XX CC oligomers are also used for detecting cell type differentiation. ABC00010
XX CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
XX CC represent the oligomers described in the invention. NOTE: The sequence
XX CC data for this patent did not form part of the printed specification, but
XX CC was obtained in electronic format from WIPO at
XX CC ftp.wipo.int/pub/published_pct_sequences
XX SQ Sequence 13 BP; 5 A; 3 C; 0 G; 5 T; 0 U; 0 Other;
Query Match 12.9%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 1.3e+03;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 946 GGTTTATGTA 956
Db 12 GGTTTATATA 2

RESULT 1899
ABH56303
ID ABH56303 standard; DNA; 13 BP.
XX AC ABH56303;
XX DT 22-FEB-2002 (first entry)
XX DE Oligonucleotide SEQ ID NO 256280 for detecting SNP TSC0062436.
XX SN; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX OS Homo sapiens.
XX PN WO200177384-A2.
XX PD 18-OCT-2001.
XX PF 06-APR-2001; 2001WO-IB000713.
XX PR 07-APR-2000; 2000DE-01019173.
XX PA (EPIC-) EPIGENOMICS AG.
XX PI Olek A, Piepenbrock C, Berlin K;
XX PI WPI; 2001-657177/75.
XX DR Set of oligonucleotides, useful for diagnosis and cell typing, is
XX PT designed to detect single-nucleotide polymorphisms and cytosine
XX PT methylation status.
XX PS Claim 1; SEQ ID NO 253738; 29pp + Sequence Listing; German.
XX CC This invention describes novel oligonucleotide primers or peptide nucleic
XX CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
XX CC and cytosine methylation status in chemically pretreated genomic DNA. The
XX CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
XX CC range of diseases including immune system, gastrointestinal, respiratory,
XX CC central nervous system, cardiovascular and metabolic disorders. The
XX CC oligomers are also used for detecting cell type differentiation. ABC00010
XX CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
XX CC represent the oligomers described in the invention. NOTE: The sequence
XX CC data for this patent did not form part of the printed specification, but
XX CC was obtained in electronic format from WIPO at
XX CC ftp.wipo.int/pub/published_pct_sequences
XX SQ Sequence 13 BP; 5 A; 3 C; 0 G; 5 T; 0 U; 0 Other;
Query Match 12.9%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 1.3e+03;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 946 GGTTTATGTA 956
Db 12 GGTTTATATA 2

RESULT 1899
ABH56303
ID ABH56303 standard; DNA; 13 BP.
XX AC ABH56303;
XX DT 22-FEB-2002 (first entry)
XX DE Oligonucleotide SEQ ID NO 256280 for detecting SNP TSC0062436.
XX SN; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX OS Homo sapiens.
XX PN WO200177384-A2.
XX PD 18-OCT-2001.
XX PF 06-APR-2001; 2001WO-IB000713.
XX PR 07-APR-2000; 2000DE-01019173.
XX PA (EPIC-) EPIGENOMICS AG.
XX PI Olek A, Piepenbrock C, Berlin K;
XX PI WPI; 2001-657177/75.
XX DR Set of oligonucleotides, useful for diagnosis and cell typing, is
XX PT designed to detect single-nucleotide polymorphisms and cytosine
XX PT methylation status.
XX PS Claim 1; SEQ ID NO 253738; 29pp + Sequence Listing; German.
XX CC This invention describes novel oligonucleotide primers or peptide nucleic
XX CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
XX CC and cytosine methylation status in chemically pretreated genomic DNA. The
XX CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
XX CC range of diseases including immune system, gastrointestinal, respiratory,
XX CC central nervous system, cardiovascular and metabolic disorders. The
XX CC oligomers are also used for detecting cell type differentiation. ABC00010
XX CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
XX CC represent the oligomers described in the invention. NOTE: The sequence
XX CC data for this patent did not form part of the printed specification, but
XX CC was obtained in electronic format from WIPO at
XX CC ftp.wipo.int/pub/published_pct_sequences

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OS	Homo sapiens.
PN	WO200177384-A2.
XX	
PD	18-OCT-2001.
XX	
PF	06-APR-2001; 2001WO-IB000713.
XX	
PR	07-APR-2000; 2000DE-01019173.
XX	
PA	(EPIG-) EPIGENOMICS AG.
XX	
PI	Olek A, Piepenbrock C, Berlin K;
XX	
WI	PI; 2001-657177/75.
XX	
PT	Set of oligonucleotides, useful for diagnosis and cell typing, is
PT	designed to detect single-nucleotide polymorphisms and cytosine
PT	methylation status.
XX	
PS	Claim 1; SEQ ID NO 256280; 29pp + Sequence Listing; German.
XX	
CC	This invention describes novel oligonucleotide primers or peptide
CC	acid (PNA) oligomers for detecting single nucleotide polymorphism
CC	and cytosine methylation status in chemically pretreated genomic
CC	oligonucleotides are used for diagnosis and/or prognosis of cancer
CC	range of diseases including immune system, gastrointestinal, resp
CC	central nervous system, cardiovascular and metabolic disorders. T
CC	oligomers are also used for detecting cell type differentiation.
CC	-ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABH00010-ABH8
CC	represent the oligomers described in the invention. NOTE: The seq
CC	data for this patent did not form part of the printed specification
CC	was obtained in electronic format from WIPO at
CC	ftp.wipo.int/pub/published_pct_sequences
XX	
SQ	Sequence 13 BP; 2 A; 4 C; 0 G; 7 T; 0 U; 0 Other;

XX WPI; 2001-657177/75.

XX Set of oligonucleotides, useful for diagnosis and cell typing, is

XX designed to detect single-nucleotide polymorphisms and cytosine

PT methylation status.

XX

XX Claim 1; SEQ ID NO 256755; 29pp + Sequence Listing; German.

XX

XX This invention describes novel oligonucleotide primers or peptide nucleic

XX acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)

CC and cytosine methylation status in chemically pretreated genomic DNA. The

CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a

CC range of diseases including immune system, gastrointestinal, respiratory,

CC central nervous system, cardiovascular and metabolic disorders. The

CC oligomers are also used for detecting cell type differentiation. ABC00010

CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ARI00010-ARI82073

CC represent the oligomers described in the invention. NOTE: The sequence

CC data for this patent did not form part of the printed specification, but

CC was obtained in electronic format from WIPO at

CC fp.wipo.int/pub/published_pct_sequences

XX

XX Sequence 13 BP; 6 A; 0 C; 5 G; 2 T; 0 U; 0 Other;

XX

Query Match 12.9%; Score 9.4; DB 1; Length 13;

Best Local Similarity 90.9%; Pred. No. 1.3e+03;

Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 927 TTTATCCCTCC 937

Db 12 TTTATCCCTTC 2

|||||||

|||||||

RESULT 1901

ABH58032

ID ABH58032 standard; DNA; 13 BP.

XX

AC ABH58032;

XX

DT 22-FEB-2002 (first entry)

XX

DE Oligonucleotide SEQ ID NO 258009 for detecting SNP TSC0007374.

XX

XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;

KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;

KW central nervous system; gastrointestinal; respiratory; immune; metabolic.

XX

OS Homo sapiens.

XX

XX WO200177384-A2.

XX

XX 18-OCT-2001.

XX

XX 06-APR-2001; 2001NO-IB000713.

XX

XX 07-APR-2000; 2000DE-01019173.

XX

XX (EPIG-) EPIGENOMICS AG.

XX

XX Olek A, Piepenbrock C, Berlin K;

XX

XX WPI; 2001-657177/75.

XX

XX Set of oligonucleotides, useful for diagnosis and cell typing, is

XX designed to detect single-nucleotide polymorphisms and cytosine

PT methylation status.

XX

XX Claim 1; SEQ ID NO 258009; 29pp + Sequence Listing; German.

XX

XX This invention describes novel oligonucleotide primers or peptide nucleic

XX acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)

CC and cytosine methylation status in chemically pretreated genomic DNA. The

CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a

CC range of diseases including immune system, gastrointestinal, respiratory,

CC central nervous system, cardiovascular and metabolic disorders. The

CC oligomers are also used for detecting cell type differentiation. ABC00010

CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ARI00010-ARI82073

CC represent the oligomers described in the invention. NOTE: The sequence

CC data for this patent did not form part of the printed specification, but

CC was obtained in electronic format from WIPO at

CC fp.wipo.int/pub/published_pct_sequences

XX

XX Sequence 13 BP; 6 A; 0 C; 5 G; 2 T; 0 U; 0 Other;

XX

Query Match 12.9%; Score 9.4; DB 1; Length 13;

Best Local Similarity 90.9%; Pred. No. 1.3e+03;

Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 927 TTTATCCCTCC 937

Db 12 TTTATCCCTTC 2

|||||||

|||||||

CC range of diseases including immune system, gastrointestinal, respiratory,
 CC central nervous system, cardiovascular and metabolic disorders. The
 CC oligomers are also used for detecting cell type differentiation. ABC00010
 CC -ABG9989, ABF00010-ABF9989, ABH00010-ABH9989 and ABI00010-ABI82073
 CC represent the oligomers described in the invention. NOTE: The sequence
 CC data for this patent did not form part of the printed specification, but
 CC was obtained in electronic format from WIPO at
 CC ftp.wipo.int/pub/published_pct_sequences
 XX
 SQ Sequence 13 BP; 3 A; 0 C; 3 G; 6 T; 0 U; 1 Other;

Query Match 12.9%; Score 9.4; DB 1; Length 13;
 Best Local Similarity 90.9%; Pred. No. 1.3e+03;
 Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 947 GTTTAATGAT 957
 DB 1 GTTTGATGAT 11
 RESULT 1902
 ABH58033/c
 ID ABH58033 standard; DNA; 13 BP.
 XX
 AC ABH58033;
 XX
 DT 22-FEB-2002 (first entry)
 XX
 DE Oligonucleotide SEQ ID NO 258010 for detecting SNP TSC0007374.

SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
 peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
 central nervous system; gastrointestinal; respiratory; immune; metabolic.
 OS Homo sapiens.
 XX
 PN WO200177384-A2.
 XX
 PD 18-OCT-2001.

PF 06-APR-2001; 2001WO-IB000713.
 XX
 PR 07-APR-2000; 2000DE-01019173.
 XX
 PA (EPIG-) EPIGENOMICS AG.
 XX
 PI Olek A, Piepenbrock C, Berlin K;
 XX
 DR WPI; 2001-657177/75.

PT Set of oligonucleotides, useful for diagnosis and cell typing, is
 PT designed to detect single-nucleotide polymorphisms and cytosine
 PT methylation status.
 XX
 PS Claim 1; SEQ ID NO 258010; 29pp + Sequence Listing; German.

CC This invention describes novel oligonucleotide primers or peptide nucleic
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
 CC and cytosine methylation status in chemically pretreated genomic DNA. The
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
 CC range of diseases including immune system, gastrointestinal, respiratory,
 CC central nervous system, cardiovascular and metabolic disorders. The
 CC oligomers are also used for detecting cell type differentiation. ABC00010
 CC -ABG9989, ABF00010-ABF9989, ABH00010-ABH9989 and ABI00010-ABI82073
 CC represent the oligomers described in the invention. NOTE: The sequence
 CC data for this patent did not form part of the printed specification, but
 CC was obtained in electronic format from WIPO at
 CC ftp.wipo.int/pub/published_pct_sequences
 XX
 SQ Sequence 13 BP; 6 A; 3 C; 0 G; 3 T; 0 U; 1 Other;

Query Match 12.9%; Score 9.4; DB 1; Length 13;
 Best Local Similarity 90.9%; Pred. No. 1.3e+03;

Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
 QY 947 GTTTAATGAT 957
 DB 13 GTTTGATGAT 3
 RESULT 1903
 ABC42385
 ID ABC42385 standard; DNA; 13 BP.
 XX
 AC ABC42385;
 XX
 DT 21-FEB-2002 (first entry)
 XX
 DE Oligonucleotide SEQ ID NO 42402 for detecting SNP TSC0012648.

SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
 peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
 central nervous system; gastrointestinal; respiratory; immune; metabolic.
 OS Homo sapiens.
 XX
 PN WO200177384-A2.
 XX
 PD 18-OCT-2001.

PF 06-APR-2001; 2001WO-IB000713.
 XX
 PR 07-APR-2000; 2000DE-01019173.
 XX
 PA (EPIG-) EPIGENOMICS AG.
 XX
 PI Olek A, Piepenbrock C, Berlin K;
 XX
 DR WPI; 2001-657177/75.

PT Set of oligonucleotides, useful for diagnosis and cell typing, is
 PT designed to detect single-nucleotide polymorphisms and cytosine
 PT methylation status.
 XX
 PS Claim 1; SEQ ID NO 42402; 29pp + Sequence Listing; German.

CC This invention describes novel oligonucleotide primers or peptide nucleic
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
 CC and cytosine methylation status in chemically pretreated genomic DNA. The
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
 CC range of diseases including immune system, gastrointestinal, respiratory,
 CC central nervous system, cardiovascular and metabolic disorders. The
 CC oligomers are also used for detecting cell type differentiation. ABC00010
 CC -ABG9989, ABF00010-ABF9989, ABH00010-ABH9989 and ABI00010-ABI82073
 CC represent the oligomers described in the invention. NOTE: The sequence
 CC data for this patent did not form part of the printed specification, but
 CC was obtained in electronic format from WIPO at
 CC ftp.wipo.int/pub/published_pct_sequences
 XX
 SQ Sequence 13 BP; 3 A; 3 C; 0 G; 7 T; 0 U; 0 Other;

Query Match 12.9%; Score 9.4; DB 1; Length 13;
 Best Local Similarity 90.9%; Pred. No. 1.3e+03;
 Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 935 TCCTCTTTCATT 945
 DB 1 TACTCTTTCATT 11

RESULT 1904
 ABC93031/c
 ID ABC93031 standard; DNA; 13 BP.

XX
 AC ABC93031;
 XX

```

DT 21-FEB-2002 (first entry)
XX Oligonucleotide SEQ ID NO 93048 for detecting SNP TSC0023263.
DE SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
OS Homo sapiens.
XX WO200177384-A2.
PN 18-OCT-2001.
XX 06-APR-2001; 2001WO-IB000713.
XX 07-APR-2000; 2000DE-01019173.
PR (EPIG-) EPIGENOMICS AG.
XX Olek A, Piepenbrock C, Berlin K;
PI WPI; 2001-657177/75.
DR Set of oligonucleotides, useful for diagnosis and cell typing, is
XX designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
PD Claim 1; SEQ ID NO 93048; 29pp + Sequence Listing; German.
XX This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
XX Sequence 13 BP; 9 A; 3 C; 1 G; 0 T; 0 U; 0 Other;
Query Match 12.9%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 1.3e+03;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

OY 908 TTTTCGTTGGT 918
DB 11 TTTTCGTTGGT 1

RESULT 1905
ABC68200/C
ID ABC68200 standard; DNA; 13 BP.
XX
XX ABC68200;
AC
XX
XX 21-FEB-2002 (first entry)
DT Oligonucleotide SEQ ID NO 68217 for detecting SNP TSC0017803.
DE SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
XX Homo sapiens.
OS
XX WO200177384-A2.
PN 18-OCT-2001.
XX
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX Claim 1; SEQ ID NO 93048; 29pp + Sequence Listing; German.
XX This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
XX Sequence 13 BP; 9 A; 3 C; 1 G; 0 T; 0 U; 0 Other;
Query Match 12.9%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 1.3e+03;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

OY 908 TTTTCGTTGGT 918
DB 11 TTTTCGTTGGT 1

RESULT 1905
ABC68200/C
ID ABC68200 standard; DNA; 13 BP.
XX
XX ABC68200;
AC
XX
XX 21-FEB-2002 (first entry)
DT Oligonucleotide SEQ ID NO 93048 for detecting SNP TSC0023263.
DE SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
OS Homo sapiens.
XX WO200177384-A2.
PN 18-OCT-2001.
XX
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
PD Claim 1; SEQ ID NO 93048; 29pp + Sequence Listing; German.
XX This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
XX Sequence 13 BP; 9 A; 3 C; 1 G; 0 T; 0 U; 0 Other;
Query Match 12.9%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 1.3e+03;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

OY 935 TCCTCTTCATT 945
DB 11 TCCTCTTCATT 1

RESULT 1906
ABC49342
ID ABC49342 standard; DNA; 13 BP.
XX
XX ABC49342;
AC
XX
XX 21-FEB-2002 (first entry)
DT Oligonucleotide SEQ ID NO 49359 for detecting SNP TSC0013972.
DE SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
OS Homo sapiens.
XX WO200177384-A2.
PN 18-OCT-2001.
XX
XX 06-APR-2001; 2001WO-IB000713.
XX 07-APR-2000; 2000DE-01019173.
PR (EPIG-) EPIGENOMICS AG.
XX Olek A, Piepenbrock C, Berlin K;
PI WPI; 2001-657177/75.
DR Set of oligonucleotides, useful for diagnosis and cell typing, is
XX designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
PD Claim 1; SEQ ID NO 68217; 29pp + Sequence Listing; German.
XX This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
XX Sequence 13 BP; 7 A; 0 C; 4 G; 2 T; 0 U; 0 Other;
Query Match 12.9%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 1.3e+03;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

OY 935 TCCTCTTCATT 945
DB 11 TCCTCTTCATT 1

```

PT methylation status.
XX Claim 1; SEQ ID NO 49359; 29pp + Sequence Listing; German.
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC9989, ABF00010-ABF9989, ABH00010-ABH9989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 13 BP; 1 A; 0 C; 4 G; 7 T; 0 U; 1 Other;
Query Match 12.9%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 1.3e+03;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
QY 913 TTGGTCTTTG 923
Db 1 TTGGTCTTTG 11
RESULT 1907
ABC49344
ID ABC49344 standard; DNA; 13 BP.
XX
AC ABC49344;
XX
DT 21-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 49361 for detecting SNP TSC0013972.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
OS Homo sapiens.
XX
XX WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
FA (EPIG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
XX WPI; 2001-657177/75.
XX
PT Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
PS Claim 1; SEQ ID NO 49361; 29pp + Sequence Listing; German.
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC9989, ABF00010-ABF9989, ABH00010-ABH9989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
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CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 13 BP; 1 A; 0 C; 4 G; 7 T; 0 U; 1 Other;
Query Match 12.9%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 1.3e+03;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
QY 913 TTGGTCTTTG 923
Db 1 TTGGTCTTTG 11
RESULT 1907
ABC49344
ID ABC49344 standard; DNA; 13 BP.
XX
AC ABC49344;
XX
DT 21-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 49361 for detecting SNP TSC0013972.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
OS Homo sapiens.
XX
XX WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB000713.
XX
PR 07-APR-2000; 2000DE-01019173.
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FA (EPIG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
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XX WPI; 2001-657177/75.
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PT Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
PS Claim 1; SEQ ID NO 49361; 29pp + Sequence Listing; German.
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC9989, ABF00010-ABF9989, ABH00010-ABH9989 and ABI00010-ABI82073
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CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 13 BP; 1 A; 0 C; 4 G; 7 T; 0 U; 1 Other;
Query Match 12.9%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 1.3e+03;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
QY 913 TTGGTCTTTG 923
Db 1 TTGGTCTTTG 11
RESULT 1908
ABF02725/c
ID ABF02725 standard; DNA; 13 BP.
XX
AC ABF02725;
XX
DT 21-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 102722 for detecting SNP TSC0025656.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
OS Homo sapiens.
XX
XX WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
FA (EPIG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
XX WPI; 2001-657177/75.
XX
PT Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
PS Claim 1; SEQ ID NO 102722; 29pp + Sequence Listing; German.
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC9989, ABF00010-ABF9989, ABH00010-ABH9989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 13 BP; 7 A; 3 C; 0 G; 3 T; 0 U; 0 Other;
Query Match 12.9%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 1.3e+03;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
QY 943 ATTGGTTTAAAT 953
Db 1 ATTGGTTTAAAT 1

CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 13 BP; 1 A; 0 C; 3 G; 8 T; 0 U; 1 Other;
Query Match 12.9%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 1.3e+03;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
QY 913 TTGGTCTTTG 923
Db 1 TTGGTCTTTG 11
RESULT 1908
ABF02725/c
ID ABF02725 standard; DNA; 13 BP.
XX
AC ABF02725;
XX
DT 21-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 102722 for detecting SNP TSC0025656.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
OS Homo sapiens.
XX
XX WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
FA (EPIG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
XX WPI; 2001-657177/75.
XX
PT Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
PS Claim 1; SEQ ID NO 102722; 29pp + Sequence Listing; German.
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC9989, ABF00010-ABF9989, ABH00010-ABH9989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 13 BP; 7 A; 3 C; 0 G; 3 T; 0 U; 0 Other;
Query Match 12.9%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 1.3e+03;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
QY 943 ATTGGTTTAAAT 953
Db 1 ATTGGTTTAAAT 1

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RESULT 1909
ABC52785/c
ID ABC52785 standard; DNA; 13 BP.
XX AC ABC52785;
XX DT 21-FEB-2002 (first entry)
XX DE Oligonucleotide SEQ ID NO 52802 for detecting SNP TSC0014620.
XX KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX OS Homo sapiens.
XX PN WO200177384-A2.
XX PD 18-OCT-2001.
XX PF 06-APR-2001; 2001WO-IB000713.
XX PR 07-APR-2000; 2000DE-01019173.
XX PA (EPIG-) EPIGENOMICS AG.
XX PI Olek A, Piepenbrock C, Berlin K;
XX DR WPI; 2001-657177/75.
XX PT Set of oligonucleotides, useful for diagnosis and cell typing, is
XX PT designed to detect single-nucleotide polymorphisms and cytosine
XX PT methylation status.
XX PS Claim 1; SEQ ID NO 52802; 29pp + Sequence Listing; German.
XX CC This invention describes novel oligonucleotide primers or peptide nucleic
XX CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
XX CC and cytosine methylation status in chemically pretreated genomic DNA. The
XX CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
XX CC range of diseases including immune system, gastrointestinal, respiratory,
XX CC central nervous system, cardiovascular and metabolic disorders. The
XX CC oligomers are also used for detecting cell type differentiation. ABC00010
XX CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
XX CC represent the oligomers described in the invention. NOTE: The sequence
XX CC data for this patent did not form part of the printed specification, but
XX CC was obtained in electronic format from WIPO at
XX CC ftp.wipo.int/pub/published_pct_sequences
XX SQ Sequence 13 BP; 9 A; 3 C; 0 G; 0 T; 0 U; 1 Other;
XX Query Match 12.9%; Score 9.4; DB 1; Length 13;
XX Best Local Similarity 76.9%; Pred. No. 1.3e+03;
XX Matches 10; Conservative 1; Mismatches 2; Indels 0; Gaps 0;
QY 909 TTCTTTGGCTT 921
DB 13 TTTTITGGGT 1
RESULT 1910
ABC28261/c
ID ABC28261 standard; DNA; 13 BP.
XX AC ABC28261;
XX DT 20-FEB-2002 (first entry)
XX DE Oligonucleotide SEQ ID NO 28278 for detecting SNP TSC0008027.
XX KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;

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KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX OS Homo sapiens.
XX PN WO200177384-A2.
XX PD 18-OCT-2001.
XX PF 06-APR-2001; 2001WO-IB000713.
XX PR 07-APR-2000; 2000DE-01019173.
XX PA (EPIG-) EPIGENOMICS AG.
XX PI Olek A, Piepenbrock C, Berlin K;
XX DR WPI; 2001-657177/75.
XX PT Set of oligonucleotides, useful for diagnosis and cell typing, is
XX PT designed to detect single-nucleotide polymorphisms and cytosine
XX PT methylation status.
XX PS Claim 1; SEQ ID NO 28278; 29pp + Sequence Listing; German.
XX CC This invention describes novel oligonucleotide primers or peptide nucleic
XX CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
XX CC and cytosine methylation status in chemically pretreated genomic DNA. The
XX CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
XX CC range of diseases including immune system, gastrointestinal, respiratory,
XX CC central nervous system, cardiovascular and metabolic disorders. The
XX CC oligomers are also used for detecting cell type differentiation. ABC00010
XX CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
XX CC represent the oligomers described in the invention. NOTE: The sequence
XX CC data for this patent did not form part of the printed specification, but
XX CC was obtained in electronic format from WIPO at
XX CC ftp.wipo.int/pub/published_pct_sequences
XX SQ Sequence 13 BP; 8 A; 4 C; 0 G; 1 T; 0 U; 0 Other;
XX Query Match 12.9%; Score 9.4; DB 1; Length 13;
XX Best Local Similarity 90.9%; Pred. No. 1.3e+03;
XX Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
QY 940 TTCATTGGTTT 950
DB 11 TTTATTGGTTT 1
RESULT 1911
ABC54045
ID ABC54045 standard; DNA; 13 BP.
XX AC ABC54045;
XX DT 21-FEB-2002 (first entry)
XX DE Oligonucleotide SEQ ID NO 54062 for detecting SNP TSC0014864.
XX KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX OS Homo sapiens.
XX PN WO200177384-A2.
XX PD 18-OCT-2001.
XX PF 06-APR-2001; 2001WO-IB000713.
XX PR 07-APR-2000; 2000DE-01019173.

```

PA (EPIG-) EPIGENOMICS AG.
XX PI Olek A, Piepenbrock C, Berlin K;
XX WPI; 2001-657177/75.
XX
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
XX Claim 1; SEQ ID NO 54062; 29pp + Sequence Listing; German.
XX
XX This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
XX Sequence 13 BP; 0 A; 6 C; 0 G; 7 T; 0 U; 0 Other;
SQ
Query Match 12.9%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 1.3e+03;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
QY 924 CTTTTATCCC 934
DB 2 CTTTTTCCC 12

RESULT 1912
ABC54363/C
ID ABC54363 standard; DNA; 13 BP.
XX AC ABC54363;
XX
XX 21-FEB-2002 (first entry)
XX
XX Oligonucleotide SEQ ID NO 54380 for detecting SNP TSC0014918.
DE
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
XX Homo sapiens.
OS
XX
XX WO200177384-A2.
XX
XX 18-OCT-2001.
XX
XX 06-APR-2001; 2001WO-IB000713.
XX
XX 07-APR-2000; 2000DE-01019173.
XX
XX (EPIG-) EPIGENOMICS AG.
XX
XX Olek A, Piepenbrock C, Berlin K;
XX
XX WPI; 2001-657177/75.
XX
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
XX Claim 1; SEQ ID NO 54380; 29pp + Sequence Listing; German.
XX
XX This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
XX Sequence 13 BP; 0 A; 6 C; 0 G; 7 T; 0 U; 0 Other;
SQ
Query Match 12.9%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 1.3e+03;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
QY 924 CTTTTATCCC 934
DB 2 CTTTTTCCC 12

RESULT 1913
ABC31037/C
ID ABC31037 standard; DNA; 13 BP.
XX AC ABC31037;
XX
XX 20-FEB-2002 (first entry)
XX
XX Oligonucleotide SEQ ID NO 31054 for detecting SNP TSC0009579.
DE
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
XX Homo sapiens.
OS
XX
XX WO200177384-A2.
XX
XX 18-OCT-2001.
XX
XX 06-APR-2001; 2001WO-IB000713.
XX
XX 07-APR-2000; 2000DE-01019173.
XX
XX (EPIG-) EPIGENOMICS AG.
XX
XX Olek A, Piepenbrock C, Berlin K;
XX
XX WPI; 2001-657177/75.
XX
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
XX Claim 1; SEQ ID NO 31054; 29pp + Sequence Listing; German.
XX
XX This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
XX Sequence 13 BP; 8 A; 4 C; 0 G; 0 T; 0 U; 1 Other;
SQ
Query Match 12.9%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 1.3e+03;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
QY 913 TTTGGTCTTTG 923
DB 13 TTTGGTCTTTG 3

RESULT 1913
ABC31037/C
ID ABC31037 standard; DNA; 13 BP.
XX AC ABC31037;
XX
XX 20-FEB-2002 (first entry)
XX
XX Oligonucleotide SEQ ID NO 31054 for detecting SNP TSC0009579.
DE
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
XX Homo sapiens.
OS
XX
XX WO200177384-A2.
XX
XX 18-OCT-2001.
XX
XX 06-APR-2001; 2001WO-IB000713.
XX
XX 07-APR-2000; 2000DE-01019173.
XX
XX (EPIG-) EPIGENOMICS AG.
XX
XX Olek A, Piepenbrock C, Berlin K;
XX
XX WPI; 2001-657177/75.
XX
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
XX Claim 1; SEQ ID NO 31054; 29pp + Sequence Listing; German.
XX
XX This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
XX Sequence 13 BP; 7 A; 2 C; 0 G; 4 T; 0 U; 0 Other;
SQ

```

Query Match          12.9%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 1.3e+03;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 947 GTTTAATGAT 957
DB 13 GTTTAATGAAT 3

RESULT 1914
ABF06503
ID ABF06503 standard; DNA; 13 BP.
XX AC ABF06503;
XX DT 21-FEB-2002 (first entry)
XX DE Oligonucleotide SEQ ID NO 106500 for detecting SNP TSC0026688.
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX OS Homo sapiens.
XX PN WO200177384-A2.
XX PD 18-OCT-2001.
XX PP 06-APR-2001; 2001WO-IB000713.
XX PR 07-APR-2000; 2000DE-01019173.
XX PA (EPIC-) EPIGENOMICS AG.
XX PI Olek A, Piepenbrock C, Berlin K;
XX WPI; 2001-657177/75.
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
XX designed to detect single-nucleotide polymorphisms and cytosine
XX methylation status.
XX Claim 1; SEQ ID NO 106500; 29pp + Sequence Listing; German.
XX This invention describes novel oligonucleotide primers or peptide nucleic
XX acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
XX and cytosine methylation status in chemically pretreated genomic DNA. The
XX oligonucleotides are used for diagnosis and/or prognosis of cancer and a
XX range of diseases including immune system, gastrointestinal, respiratory,
XX central nervous system, cardiovascular and metabolic disorders. The
XX oligomers are also used for detecting cell type differentiation. ABC00010
XX -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
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XX Sequence 13 BP; 5 A; 5 C; 1 G; 1 T; 0 U; 1 Other;
XX This invention describes novel oligonucleotide primers or peptide nucleic
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XX and cytosine methylation status in chemically pretreated genomic DNA. The
XX oligonucleotides are used for diagnosis and/or prognosis of cancer and a
XX range of diseases including immune system, gastrointestinal, respiratory,
XX central nervous system, cardiovascular and metabolic disorders. The
XX oligomers are also used for detecting cell type differentiation. ABC00010
XX -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
XX represent the oligomers described in the invention. NOTE: The sequence
XX data for this patent did not form part of the printed specification, but
XX was obtained in electronic format from WIPO at
XX ftp.wipo.int/pub/published_pct_sequences
XX Sequence 13 BP; 5 A; 5 C; 1 G; 1 T; 0 U; 1 Other;

Query Match          12.9%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 1.3e+03;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 956 ATCGCTACCA 966
DB 3 ATCGCACCA 13

RESULT 1915
ABC32308
ID ABC32308 standard; DNA; 13 BP.

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XX ABC32308;
XX AC 20-FEB-2002 (first entry)
XX DT 20-FEB-2002 (first entry)
XX DE Oligonucleotide SEQ ID NO 32325 for detecting SNP TSC0010079.
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX OS Homo sapiens.
XX PN WO200177384-A2.
XX PD 18-OCT-2001.
XX PP 06-APR-2001; 2001WO-IB000713.
XX PR 07-APR-2000; 2000DE-01019173.
XX PA (EPIC-) EPIGENOMICS AG.
XX PI Olek A, Piepenbrock C, Berlin K;
XX WPI; 2001-657177/75.
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
XX designed to detect single-nucleotide polymorphisms and cytosine
XX methylation status.
XX Claim 1; SEQ ID NO 32325; 29pp + Sequence Listing; German.
XX This invention describes novel oligonucleotide primers or peptide nucleic
XX acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
XX and cytosine methylation status in chemically pretreated genomic DNA. The
XX oligonucleotides are used for diagnosis and/or prognosis of cancer and a
XX range of diseases including immune system, gastrointestinal, respiratory,
XX central nervous system, cardiovascular and metabolic disorders. The
XX oligomers are also used for detecting cell type differentiation. ABC00010
XX -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
XX represent the oligomers described in the invention. NOTE: The sequence
XX data for this patent did not form part of the printed specification, but
XX was obtained in electronic format from WIPO at
XX ftp.wipo.int/pub/published_pct_sequences
XX Sequence 13 BP; 1 A; 0 C; 3 G; 9 T; 0 U; 0 Other;
XX Query Match          12.9%; Score 9.4; DB 1; Length 13;
XX Best Local Similarity 90.9%; Pred. No. 1.3e+03;
XX Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 908 TTTTCTTGGT 918
DB 1 TTTATTGGT 11

RESULT 1916
ABC83376
ID ABC83376 standard; DNA; 13 BP.
XX AC ABC83376;
XX DT 21-FEB-2002 (first entry)
XX DE Oligonucleotide SEQ ID NO 83393 for detecting SNP TSC0021005.
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX OS Homo sapiens.

```



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PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
XX (EPIG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
XX WPI; 2001-657177/75.
XX
PT Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
PS Claim 1; SEQ ID NO 83393; 29pp + Sequence Listing; German.
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 13 BP; 4 A; 0 C; 1 G; 8 T; 0 U; 0 Other;
XX
Query Match 12.9%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 1.3e+03;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
XX
QY 943 ATTGGTTTAAAT 953
Db 2 ATTGATTTAAT 12
|||||
RESULT 1917
ABC83377/c
ID ABC83377 standard; DNA; 13 BP.
XX
XX ABC83377;
XX
XX 21-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 83394 for detecting SNP TSC0021005.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
XX 18-OCT-2001.
XX
DE Oligonucleotide SEQ ID NO 83394 for detecting SNP TSC0021005.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
XX 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
XX (EPIG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
XX WPI; 2001-657177/75.
XX
PT Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
PS Claim 1; SEQ ID NO 83393; 29pp + Sequence Listing; German.
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 13 BP; 4 A; 0 C; 1 G; 8 T; 0 U; 0 Other;
XX
Query Match 12.9%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 1.3e+03;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
XX
QY 943 ATTGGTTTAAAT 953
Db 2 ATTGATTTAAT 12
|||||
RESULT 1918
ABC85827/c
ID ABC85827 standard; DNA; 13 BP.
XX
XX ABC85827;
XX
XX 21-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 85844 for detecting SNP TSC0021564.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
XX 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
XX (EPIG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
XX WPI; 2001-657177/75.
XX
PT Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
PS Claim 1; SEQ ID NO 85844; 29pp + Sequence Listing; German.
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The

```

CC oligomers are also used for detecting cell type differentiation. ABC00010
 CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
 CC represent the oligomers described in the invention. NOTE: The sequence
 CC data for this patent did not form part of the printed specification, but
 CC was obtained in electronic format from WIPO at
 CC ftp.wipo.int/pub/published_pct_sequences

XX Sequence 13 BP; 10 A; 3 C; 0 G; 0 T; 0 U; 0 Other;

Query Match 12.9%; Score 9.4; DB 1; Length 13;
 Best Local Similarity 90.9%; Pred. No. 1.3e+03;
 Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 908 TTTTCTTTGGT 918
 DB 13 TTTTCTTTGGT 3

RESULT 1919

ABC61967
 ID ABC61967 standard; DNA; 13 BP.

XX AC ABC61967;

XX DT 21-FEB-2002 (first entry)

XX DE Oligonucleotide SEQ ID NO 61984 for detecting SNP TSC0016471.

XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
 KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
 KW central nervous system; gastrointestinal; respiratory; immune; metabolic.

XX OS Homo sapiens.

XX PN WO200177384-A2.

XX PD 18-OCT-2001.

XX PF 06-APR-2001; 2001WO-IB000713.

XX PR 07-APR-2000; 2000DE-01019173.

XX PA (EPIG-) EPIGENOMICS AG.

XX PI Olek A, Piepenbrock C, Berlin K;

XX PI WPI; 2001-657177/75.

XX Set of oligonucleotides, useful for diagnosis and cell typing, is
 PT designed to detect single-nucleotide polymorphisms and cytosine
 PT methylation status.

XX Claim 1; SEQ ID NO 61984; 29pp + Sequence Listing; German.

XX This invention describes novel oligonucleotide primers or peptide nucleic
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
 CC and cytosine methylation status in chemically pretreated genomic DNA. The
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
 CC range of diseases including immune system, gastrointestinal, respiratory,
 CC central nervous system, cardiovascular and metabolic disorders. The
 CC oligomers are also used for detecting cell type differentiation. ABC00010
 CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
 CC represent the oligomers described in the invention. NOTE: The sequence
 CC data for this patent did not form part of the printed specification, but
 CC was obtained in electronic format from WIPO at
 CC ftp.wipo.int/pub/published_pct_sequences

XX Sequence 13 BP; 4 A; 5 C; 0 G; 4 T; 0 U; 0 Other;

Query Match 12.9%; Score 9.4; DB 1; Length 13;
 Best Local Similarity 90.9%; Pred. No. 1.3e+03;
 Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 929 TATCCCTCCTC 939
 DB 3 TATCCCTCCTC 13

RESULT 1920

ABC37801/C
 ID ABC37801 standard; DNA; 13 BP.

XX AC ABC37801;

XX DT 20-FEB-2002 (first entry)

XX DE Oligonucleotide SEQ ID NO 37818 for detecting SNP TSC0011747.

XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
 KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
 KW central nervous system; gastrointestinal; respiratory; immune; metabolic.

XX OS Homo sapiens.

XX PN WO200177384-A2.

XX PD 18-OCT-2001.

XX PF 06-APR-2001; 2001WO-IB000713.

XX PR 07-APR-2000; 2000DE-01019173.

XX PA (EPIG-) EPIGENOMICS AG.

XX PI Olek A, Piepenbrock C, Berlin K;

XX PI WPI; 2001-657177/75.

XX Set of oligonucleotides, useful for diagnosis and cell typing, is
 PT designed to detect single-nucleotide polymorphisms and cytosine
 PT methylation status.

XX Claim 1; SEQ ID NO 37818; 29pp + Sequence Listing; German.

XX This invention describes novel oligonucleotide primers or peptide nucleic
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
 CC and cytosine methylation status in chemically pretreated genomic DNA. The
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
 CC range of diseases including immune system, gastrointestinal, respiratory,
 CC central nervous system, cardiovascular and metabolic disorders. The
 CC oligomers are also used for detecting cell type differentiation. ABC00010
 CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
 CC represent the oligomers described in the invention. NOTE: The sequence
 CC data for this patent did not form part of the printed specification, but
 CC was obtained in electronic format from WIPO at
 CC ftp.wipo.int/pub/published_pct_sequences

XX Sequence 13 BP; 8 A; 2 C; 0 G; 3 T; 0 U; 0 Other;

Query Match 12.9%; Score 9.4; DB 1; Length 13;
 Best Local Similarity 90.9%; Pred. No. 1.3e+03;
 Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 907 ATTTCCTTGG 917

DB 12 ATTTCCTTGG 2

RESULT 1921

ABC62945/C
 ID ABC62945 standard; DNA; 13 BP.

XX AC ABC62945;

XX DT 21-FEB-2002 (first entry)

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DE XX Oligonucleotide SEQ ID NO 62962 for detecting SNP TSC0016655.
KW XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW XX central nervous system; gastrointestinal; respiratory; immune; metabolic.
OS XX Homo sapiens.
PN XX WO200177384-A2.
XX XX 18-OCT-2001.
XX PF 06-APR-2001; 2001WO-IB000713.
XX PR 07-APR-2000; 2000DE-01019173.
XX PA (EPIG-) EPIGENOMICS AG.
XX PI Olek A, Piepenbrock C, Berlin K;
XX DR WPI; 2001-657177/75.
XX XX
PT Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX PS Claim 1; SEQ ID NO 62962; 29pp + Sequence Listing; German.
XX CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABP00010-ABP99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX SQ Sequence 13 BP; 8 A; 2 C; 0 G; 2 T; 0 U; 1 Other;
XX
Query Match 12.9%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 1.3e+03;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
QY 940 TTCTATTGTTT 950
DB 12 TTTATTGTTT 2
DE
RESULT 1922
ABF13697
ID ABF13697 standard; DNA; 13 BP.
XX AC ABF13697;
XX XX 21-FEB-2002 (first entry)
XX DE Oligonucleotide SEQ ID NO 113694 for detecting SNP TSC0028455.
XX DE SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX OS Homo sapiens.
XX PN WO200177384-A2.
XX XX 18-OCT-2001.
XX PF 06-APR-2001; 2001WO-IB000713.
XX PR 07-APR-2000; 2000DE-01019173.
XX PA (EPIG-) EPIGENOMICS AG.
XX PI Olek A, Piepenbrock C, Berlin K;
XX DR WPI; 2001-657177/75.
XX XX
PT Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX PS Claim 1; SEQ ID NO 113694; 29pp + Sequence Listing; German.
XX CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABP00010-ABP99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX SQ Sequence 13 BP; 4 A; 5 C; 0 G; 4 T; 0 U; 0 Other;
XX
Query Match 12.9%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 1.3e+03;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
QY 930 ATCCCTCTCTCT 940
DB 2 ATCCCTCTCTCT 12
DE
RESULT 1923
ABC15495/c
ID ABC15495 standard; DNA; 13 BP.
XX AC ABC15495;
XX XX 20-FEB-2002 (first entry)
XX DE Oligonucleotide SEQ ID NO 15502 for detecting SNP TSC0003435.
XX DE SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX OS Homo sapiens.
XX PN WO200177384-A2.
XX XX 18-OCT-2001.
XX PF 06-APR-2001; 2001WO-IB000713.
XX PR 07-APR-2000; 2000DE-01019173.
XX PA (EPIG-) EPIGENOMICS AG.
XX PI Olek A, Piepenbrock C, Berlin K;
XX DR WPI; 2001-657177/75.
XX XX
PT Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX PF 06-APR-2001; 2001WO-IB000713.

```

PS Claim 1; SEQ ID NO 15502; 29pp + Sequence Listing; German.

XX This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
XX ftp.wipo.int/pub/published_pct_sequences

SQ Sequence 13 BP; 7 A; 3 C; 0 G; 2 T; 0 U; 1 Other;

Query Match 12.9%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 1.3e+03;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 941 TCATTGGTTTA 951

Db 12 TTATTGGTTTA 2

RESULT 1924

ABF23910

ID ABF23910 standard; DNA; 13 BP.

XX AC ABF23910;

XX 21-FEB-2002 (first entry)

XX Oligonucleotide SEQ ID NO 123907 for detecting SNP TSC0030983.

XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.

XX Homo sapiens.

XX WO200177384-A2.

XX 18-OCT-2001.

XX 06-APR-2001; 2001WO-IB000713.

XX 07-APR-2000; 2000DE-01019173.

XX (EPIG-) EPIGENOMICS AG.

XX Olek A, Piepenbrock C, Berlin K;

XX WPI; 2001-657177/75.

XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.

XX Claim 1; SEQ ID NO 123907; 29pp + Sequence Listing; German.

XX This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at

CC ftp.wipo.int/pub/published_pct_sequences

XX Sequence 13 BP; 0 A; 1 C; 3 G; 8 T; 0 U; 1 Other;

Query Match 12.9%; Score 9.4; DB 1; Length 13;
Best Local Similarity 76.9%; Pred. No. 1.3e+03;
Matches 10; Conservative 1; Mismatches 2; Indels 0; Gaps 0;

QY 910 TTCTTTGGCTTTT 922

Db 1 TTCTTTGGCTTTT 13

RESULT 1925

ABF24054/C

ID ABF24054 standard; DNA; 13 BP.

XX AC ABF24054;

XX 21-FEB-2002 (first entry)

XX Oligonucleotide SEQ ID NO 124051 for detecting SNP TSC0031019.

XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.

XX Homo sapiens.

XX WO200177384-A2.

XX 18-OCT-2001.

XX 06-APR-2001; 2001WO-IB000713.

XX 07-APR-2000; 2000DE-01019173.

XX (EPIG-) EPIGENOMICS AG.

XX Olek A, Piepenbrock C, Berlin K;

XX WPI; 2001-657177/75.

XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.

XX Claim 1; SEQ ID NO 124051; 29pp + Sequence Listing; German.

XX This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
XX ftp.wipo.int/pub/published_pct_sequences

XX Sequence 13 BP; 7 A; 0 C; 4 G; 2 T; 0 U; 0 Other;

Query Match 12.9%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 1.3e+03;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 918 TTCTTTGGCTTTT 928

Db 13 TTCTTTGGCTTTT 3

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RESULT 1926
ABF37358
ID ABF37358 standard; DNA; 13 BP.
XX
AC ABF37358;
XX
DT 21-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 137355 for detecting SNP TSC0034314.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPITG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
DR WPI; 2001-657177/75.
XX
PT Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
PS Claim 1; SEQ ID NO 137355; 29pp + Sequence Listing; German.
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and AB100010-AB182073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 13 BP; 0 A; 1 C; 3 G; 9 T; 0 U; 0 Other;
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and AB100010-AB182073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 13 BP; 0 A; 1 C; 3 G; 9 T; 0 U; 0 Other;
XX
Query Match 12.9%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 1.3e+03;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 908 TTTTCTTTGGT 918
Db 2 TTTTCTTTGGT 12

RESULT 1927
ABH18331/c
ID ABH18331 standard; DNA; 13 BP.
XX
AC ABH18331;
XX
DT 22-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 218308 for detecting SNP TSC0053079.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX

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XX Homo sapiens.
XX OS
XX PN WO200177384-A2.
XX PD 18-OCT-2001.
XX PF 06-APR-2001; 2001WO-IB000713.
XX PR 07-APR-2000; 2000DE-01019173.
XX PA (EPIG-) EPIGENOMICS AG.
XX PI Olek A, Piepenbrock C, Berlin K;
XX DR WPI; 2001-657177/75.
XX PT Set of oligonucleotides, useful for diagnosis and cell typing, is
XX designed to detect single-nucleotide polymorphisms and cytosine
XX methylation status.
XX PS Claim 1; SEQ ID NO 218308; 29pp + Sequence Listing; German.
XX CC This invention describes novel oligonucleotide primers or peptide nucleic
XX acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
XX and cytosine methylation status in chemically pretreated genomic DNA. The
XX oligonucleotides are used for diagnosis and/or prognosis of cancer and a
XX range of diseases including immune system, gastrointestinal, respiratory,
XX central nervous system, cardiovascular and metabolic disorders. The
XX oligomers are also used for detecting cell type differentiation. ABC00010
XX -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and AB100010-AB182073
XX represent the oligomers described in the invention. NOTE: The sequence
XX data for this patent did not form part of the printed specification, but
XX was obtained in electronic format from WIPO at
XX ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 13 BP; 8 A; 4 C; 0 G; 0 T; 0 U; 1 Other;
XX
Query Match 12.9%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 1.3e+03;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 908 TTTTCTTTGGT 918
Db 13 TTTTCTTTGGT 3

RESULT 1928
ABH19170/c
ID ABH19170 standard; DNA; 13 BP.
XX
AC ABH19170;
XX
DT 22-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 219147 for detecting SNP TSC0053288.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX PN WO200177384-A2.
XX PD 18-OCT-2001.
XX PF 06-APR-2001; 2001WO-IB000713.
XX PR 07-APR-2000; 2000DE-01019173.
XX PA (EPIG-) EPIGENOMICS AG.
XX

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PI Olek A, Piepenbrock C, Berlin K;
XX WPI; 2001-657177/75.
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
XX Claim 1; SEQ ID NO 219147; 29pp + Sequence Listing; German.
XX
XX This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
XX Sequence 13 BP; 5 A; 1 C; 0 G; 7 T; 0 U; 0 Other;
SQ Query Match 12.9%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 1.3e+03;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
QY 947 GTTTAATGAT 957
DB 12 GTTTAATTAT 2
RESULT 1929
ABF94183
ID ABF94183 standard; DNA; 13 BP.
AC ABF94183;
XX
XX 22-FEB-2002 (first entry)
XX
XX Oligonucleotide SEQ ID NO 194180 for detecting SNP TSC0047755.
DE
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
XX Homo sapiens.
OS
XX
XX WO200177384-A2.
PN
XX
XX 18-OCT-2001.
PD
XX
XX 06-APR-2001; 2001WO-IB000713.
PF
XX
XX 07-APR-2000; 2000DE-01019173.
PR
XX
XX (EPIG-) EPIGENOMICS AG.
PA
XX Olek A, Piepenbrock C, Berlin K;
PI
XX
XX WPI; 2001-657177/75.
XX
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
XX Claim 1; SEQ ID NO 194180; 29pp + Sequence Listing; German.
XX
XX This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
XX Sequence 13 BP; 8 A; 1 C; 1 G; 3 T; 0 U; 0 Other;
SQ Query Match 12.9%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 1.3e+03;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
QY 947 GTTTAATGAT 957
DB 12 GTTTAATTAT 2
RESULT 1929
ABF94183
ID ABF94183 standard; DNA; 13 BP.
AC ABF94183;
XX
XX 22-FEB-2002 (first entry)
XX
XX Oligonucleotide SEQ ID NO 194180 for detecting SNP TSC0047755.
DE
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
XX Homo sapiens.
OS
XX
XX WO200177384-A2.
PN
XX
XX 18-OCT-2001.
PD
XX
XX 06-APR-2001; 2001WO-IB000713.
PF
XX
XX 07-APR-2000; 2000DE-01019173.
PR
XX
XX (EPIG-) EPIGENOMICS AG.
PA
XX Olek A, Piepenbrock C, Berlin K;
PI
XX
XX WPI; 2001-657177/75.
XX
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
XX Claim 1; SEQ ID NO 194180; 29pp + Sequence Listing; German.
XX
XX This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
XX Sequence 13 BP; 5 A; 1 C; 0 G; 7 T; 0 U; 0 Other;
SQ Query Match 12.9%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 1.3e+03;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
QY 948 TTTAATGATC 958
DB 2 TTTAATATATC 12
RESULT 1930
ABF44660/C
ID ABF44660 standard; DNA; 13 BP.
AC ABF44660;
XX
XX 21-FEB-2002 (first entry)
XX
XX Oligonucleotide SEQ ID NO 144657 for detecting SNP TSC0036377.
DE
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
XX Homo sapiens.
OS
XX
XX WO200177384-A2.
PN
XX
XX 18-OCT-2001.
PD
XX
XX 06-APR-2001; 2001WO-IB000713.
PF
XX
XX 07-APR-2000; 2000DE-01019173.
PR
XX
XX (EPIG-) EPIGENOMICS AG.
PA
XX Olek A, Piepenbrock C, Berlin K;
PI
XX
XX WPI; 2001-657177/75.
XX
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
XX Claim 1; SEQ ID NO 144657; 29pp + Sequence Listing; German.
XX
XX This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
XX Sequence 13 BP; 3 A; 1 C; 8 G; 1 T; 0 U; 0 Other;
SQ Query Match 12.9%; Score 9.4; DB 1; Length 13;

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Best Local Similarity 90.9%; Pred. No. 1.3e+03;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 929 TATCCCTCCTC 939
Db 12 TATCCCTCCCC 2

RESULT 1931
ABF73295/c
ID ABF73295 standard; DNA; 13 BP.
XX
XX
AC ABF73295;
XX
XX
DT 22-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 173292 for detecting SNP TSC0043175.
XX
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
XX Homo sapiens.
OS
XX WO200177384-A2.
PN
XX
PD 18-OCT-2001.
XX
XX
DE 06-APR-2001; 2001WO-IB000713.
XX
XX 07-APR-2000; 2000DE-01019173.
XX
XX (EPIG-) EPIGENOMICS AG.
PA
XX Olek A, Piepenbrock C, Berlin K;
PI
XX WPI; 2001-657177/75.
XX
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
XX Claim 1; SEQ ID NO 173292; 29pp + Sequence Listing; German.
XX
XX This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
XX Sequence 13 BP; 8 A; 3 C; 0 G; 2 T; 0 U; 0 Other;
SQ
This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
XX Query Match 12.9%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 1.3e+03;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 940 TTCATTGGTTT 950
Db 11 TTTATTGGTTT 1

RESULT 1932
ABF49163/c
ID ABF49163 standard; DNA; 13 BP.
XX
XX
AC ABF49163;

Best Local Similarity 90.9%; Pred. No. 1.3e+03;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 947 GTTTAATGTAT 957
Db 12 CGTTAATGTAT 2

RESULT 1933
ABF99391
ID ABF99391 standard; DNA; 13 BP.
XX
XX
AC ABF99391;
XX
XX
DT 22-FEB-2002 (first entry)
XX
XX Oligonucleotide SEQ ID NO 199388 for detecting SNP TSC0049058.
DE
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
XX Homo sapiens.
OS
XX WO200177384-A2.
PN
XX
XX

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XX
XX 21-FEB-2002 (first entry)
XX
XX Oligonucleotide SEQ ID NO 149160 for detecting SNP TSC0037626.
DE
XX
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
XX Homo sapiens.
OS
XX WO200177384-A2.
PN
XX
XX 18-OCT-2001.
PD
XX
XX 06-APR-2001; 2001WO-IB000713.
XX
XX 07-APR-2000; 2000DE-01019173.
XX
XX (EPIG-) EPIGENOMICS AG.
PA
XX Olek A, Piepenbrock C, Berlin K;
PI
XX WPI; 2001-657177/75.
XX
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
XX Claim 1; SEQ ID NO 149160; 29pp + Sequence Listing; German.
XX
XX This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
XX Sequence 13 BP; 5 A; 4 C; 1 G; 3 T; 0 U; 0 Other;
SQ
Query Match 12.9%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 1.3e+03;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 947 GTTTAATGTAT 957
Db 12 CGTTAATGTAT 2

RESULT 1933
ABF99391
ID ABF99391 standard; DNA; 13 BP.
XX
XX
AC ABF99391;
XX
XX
DT 22-FEB-2002 (first entry)
XX
XX Oligonucleotide SEQ ID NO 199388 for detecting SNP TSC0049058.
DE
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
XX Homo sapiens.
OS
XX WO200177384-A2.
PN
XX

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PD 18-OCT-2001.
 XX
 PF 06-APR-2001; 2001WO-IB000713.
 XX
 PR 07-APR-2000; 2000DE-01019173.
 XX
 PA (EPIG-) EPIGENOMICS AG.
 XX
 PI Olek A, Piepenbrock C, Berlin K;
 XX
 XX WPI; 2001-657177/75.
 XX
 PT Set of oligonucleotides, useful for diagnosis and cell typing, is
 PT designed to detect single-nucleotide polymorphisms and cytosine
 PT methylation status.
 XX
 PS Claim 1; SEQ ID NO 199388; 29pp + Sequence Listing; German.
 XX
 CC This invention describes novel oligonucleotide primers or peptide nucleic
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
 CC and cytosine methylation status in chemically pretreated genomic DNA. The
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
 CC range of diseases including immune system, gastrointestinal, respiratory,
 CC central nervous system, cardiovascular and metabolic disorders. The
 CC oligomers are also used for detecting cell type differentiation. ABC00010
 CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
 CC represent the oligomers described in the invention. NOTE: The sequence
 CC data for this patent did not form part of the printed specification, but
 CC was obtained in electronic format from WIPO at
 CC ftp.wipo.int/pub/published_pct_sequences
 XX
 SQ Sequence 13 BP; 2 A; 4 C; 0 G; 7 T; 0 U; 0 Other;
 Query Match 12.9%; Score 9.4; DB 1; Length 13;
 Best Local Similarity 90.9%; Pred. No. 1.3e+03;
 Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
 QY 924 CTTTATCC 934
 Db 3 CTTTATCC 13
 RESULT 1934
 ABH27290/c
 ID ABH27290 standard; DNA; 13 BP.
 AC ABH27290;
 XX
 DT 22-FEB-2002 (first entry)
 XX
 DE Oligonucleotide SEQ ID NO 227267 for detecting SNP TSC0055438.
 XX
 KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
 KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
 KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
 XX
 OS Homo sapiens.
 XX
 PN WO200177384-A2.
 XX
 PD 18-OCT-2001.
 XX
 PF 06-APR-2001; 2001WO-IB000713.
 XX
 PR 07-APR-2000; 2000DE-01019173.
 XX
 PA (EPIG-) EPIGENOMICS AG.
 XX
 PI Olek A, Piepenbrock C, Berlin K;
 XX
 XX WPI; 2001-657177/75.
 XX
 PT Set of oligonucleotides, useful for diagnosis and cell typing, is

PT designed to detect single-nucleotide polymorphisms and cytosine
 PT methylation status.
 XX
 PS Claim 1; SEQ ID NO 227267; 29pp + Sequence Listing; German.
 XX
 CC This invention describes novel oligonucleotide primers or peptide nucleic
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
 CC and cytosine methylation status in chemically pretreated genomic DNA. The
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
 CC range of diseases including immune system, gastrointestinal, respiratory,
 CC central nervous system, cardiovascular and metabolic disorders. The
 CC oligomers are also used for detecting cell type differentiation. ABC00010
 CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
 CC represent the oligomers described in the invention. NOTE: The sequence
 CC data for this patent did not form part of the printed specification, but
 CC was obtained in electronic format from WIPO at
 CC ftp.wipo.int/pub/published_pct_sequences
 XX
 SQ Sequence 13 BP; 7 A; 0 C; 5 G; 1 T; 0 U; 0 Other;
 Query Match 12.9%; Score 9.4; DB 1; Length 13;
 Best Local Similarity 90.9%; Pred. No. 1.3e+03;
 Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
 QY 905 TCATTTCCTTT 915
 Db 12 TCATTTCCTTT 2
 RESULT 1935
 ABH27293
 ID ABH27293 standard; DNA; 13 BP.
 AC ABH27293;
 XX
 DT 22-FEB-2002 (first entry)
 XX
 DE Oligonucleotide SEQ ID NO 227270 for detecting SNP TSC0055438.
 XX
 KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
 KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
 KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
 XX
 OS Homo sapiens.
 XX
 PN WO200177384-A2.
 XX
 PD 18-OCT-2001.
 XX
 PF 06-APR-2001; 2001WO-IB000713.
 XX
 PR 07-APR-2000; 2000DE-01019173.
 XX
 PA (EPIG-) EPIGENOMICS AG.
 XX
 PI Olek A, Piepenbrock C, Berlin K;
 XX
 XX WPI; 2001-657177/75.
 XX
 PT Set of oligonucleotides, useful for diagnosis and cell typing, is
 PT designed to detect single-nucleotide polymorphisms and cytosine
 PT methylation status.
 XX
 PS Claim 1; SEQ ID NO 227270; 29pp + Sequence Listing; German.
 XX
 CC This invention describes novel oligonucleotide primers or peptide nucleic
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
 CC and cytosine methylation status in chemically pretreated genomic DNA. The
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
 CC range of diseases including immune system, gastrointestinal, respiratory,
 CC central nervous system, cardiovascular and metabolic disorders. The
 CC oligomers are also used for detecting cell type differentiation. ABC00010
 CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073

CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences

XX SQ Sequence 13 BP; 2 A; 4 C; 0 G; 7 T; 0 U; 0 Other;

Query Match 12.9%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 1.3e+03;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 905 TCATTTCTTT 915
||||| |||||
Db 2 TCATTATCTTT 12

RESULT 1936

ABH04047/C

ID ABH04047 standard; DNA; 13 BP.

XX AC ABH04047;

XX DT 22-FEB-2002 (first entry)

XX DE Oligonucleotide SEQ ID NO 204024 for detecting SNP TSC0008066.

XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;

XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;

XX central nervous system; gastrointestinal; respiratory; immune; metabolic.

XX OS Homo sapiens.

XX FN WO200177384-A2.

XX PD 18-OCT-2001.

XX PF 06-APR-2001; 2001WO-IB000713.

XX PR 07-APR-2000; 2000DE-01019173.

XX PA (EPIG-) EPIGENOMICS AG.

XX PI Olek A, Piepenbrock C, Berlin K;

XX WPI; 2001-657177/75.

XX Set of oligonucleotides, useful for diagnosis and cell typing, is

PT designed to detect single-nucleotide polymorphisms and cytosine

PT methylation status.

XX Claim 1; SEQ ID NO 204024; 29pp + Sequence Listing; German.

XX This invention describes novel oligonucleotide primers or peptide nucleic

CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)

CC and cytosine methylation status in chemically pretreated genomic DNA. The

CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a

CC range of diseases including immune system, gastrointestinal, respiratory,

CC central nervous system, cardiovascular and metabolic disorders. The

CC oligomers are also used for detecting cell type differentiation. ABC00010

CC -ABC9989, ABF00010-ABF9989, ABH00010-ABH9989 and ABT00010-ABT82073

CC represent the oligomers described in the invention. NOTE: The sequence

CC data for this patent did not form part of the printed specification, but

CC was obtained in electronic format from WIPO at

CC ftp.wipo.int/pub/published_pct_sequences

XX SQ Sequence 13 BP; 8 A; 4 C; 0 G; 1 T; 0 U; 0 Other;

Query Match 12.9%; Score 9.4; DB 1; Length 13;

Best Local Similarity 90.9%; Pred. No. 1.3e+03;

Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 913 TTGGCTCTTG 923

||||| |||||

Db 11 TTGGCTTTTG 1

RESULT 1937

ABH04878

ID ABH04878 standard; DNA; 13 BP.

XX AC ABH04878;

XX DT 22-FEB-2002 (first entry)

XX DE Oligonucleotide SEQ ID NO 204855 for detecting SNP TSC0010223.

XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;

XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;

XX central nervous system; gastrointestinal; respiratory; immune; metabolic.

XX OS Homo sapiens.

XX FN WO200177384-A2.

XX PD 18-OCT-2001.

XX PF 06-APR-2001; 2001WO-IB000713.

XX PR 07-APR-2000; 2000DE-01019173.

XX PA (EPIG-) EPIGENOMICS AG.

XX PI Olek A, Piepenbrock C, Berlin K;

XX WPI; 2001-657177/75.

XX Set of oligonucleotides, useful for diagnosis and cell typing, is

PT designed to detect single-nucleotide polymorphisms and cytosine

PT methylation status.

XX Claim 1; SEQ ID NO 204855; 29pp + Sequence Listing; German.

XX This invention describes novel oligonucleotide primers or peptide nucleic

CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)

CC and cytosine methylation status in chemically pretreated genomic DNA. The

CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a

CC range of diseases including immune system, gastrointestinal, respiratory,

CC central nervous system, cardiovascular and metabolic disorders. The

CC oligomers are also used for detecting cell type differentiation. ABC00010

CC -ABC9989, ABF00010-ABF9989, ABH00010-ABH9989 and ABT00010-ABT82073

CC represent the oligomers described in the invention. NOTE: The sequence

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CC was obtained in electronic format from WIPO at

CC ftp.wipo.int/pub/published_pct_sequences

XX SQ Sequence 13 BP; 1 A; 0 C; 4 G; 8 T; 0 U; 0 Other;

Query Match 12.9%; Score 9.4; DB 1; Length 13;

Best Local Similarity 90.9%; Pred. No. 1.3e+03;

Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 940 TTCATTGCTTT 950

||||| |||||

Db 1 TTATTGCTTT 11

RESULT 1938

ABH08285

ID ABH08285 standard; DNA; 13 BP.

XX AC ABH08285;

XX DT 22-FEB-2002 (first entry)

XX DE Oligonucleotide SEQ ID NO 208262 for detecting SNP TSC0050910.

XX

KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
XX Homo sapiens.
XX WO200177384-A2.
XX 18-OCT-2001.
XX
XX 06-APR-2001; 2001WO-IB000713.
XX 07-APR-2000; 2000DE-01019173.
XX
XX (EPIG-) EPIGENOMICS AG.
XX Olek A, Piepenbrock C, Berlin K;
XX WPI; 2001-657177/75.
XX
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
XX designed to detect single-nucleotide polymorphisms and cytosine
XX methylation status.
XX
XX Claim 1; SEQ ID NO 208262; 29pp + Sequence Listing; German.
XX
XX This invention describes novel oligonucleotide primers or peptide nucleic
XX acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
XX and cytosine methylation status in chemically pretreated genomic DNA. The
XX oligonucleotides are used for diagnosis and/or prognosis of cancer and a
XX range of diseases including immune system, gastrointestinal, respiratory,
XX central nervous system, cardiovascular and metabolic disorders. The
XX oligomers are also used for detecting cell type differentiation. ABC00010
XX -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABT00010-ABT82073
XX represent the oligomers described in the invention. NOTE: The sequence
XX data for this patent did not form part of the printed specification, but
XX was obtained in electronic format from WIPO at
XX ftp.wipo.int/pub/published_pct_sequences
XX
XX Sequence 13 BP; 0 A; 5 C; 0 G; 8 T; 0 U; 0 Other;
XX
XX This invention describes novel oligonucleotide primers or peptide nucleic
XX acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
XX and cytosine methylation status in chemically pretreated genomic DNA. The
XX oligonucleotides are used for diagnosis and/or prognosis of cancer and a
XX range of diseases including immune system, gastrointestinal, respiratory,
XX central nervous system, cardiovascular and metabolic disorders. The
XX oligomers are also used for detecting cell type differentiation. ABC00010
XX -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABT00010-ABT82073
XX represent the oligomers described in the invention. NOTE: The sequence
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XX was obtained in electronic format from WIPO at
XX ftp.wipo.int/pub/published_pct_sequences
XX
XX Query Match 12.9%; Score 9.4; DB 1; Length 13;
XX Best Local Similarity 90.9%; Pred. No. 1.3e+03;
XX Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
XX
XX QY 919 CTTTGCCTTT 929
XX ||||| |||||
XX 3 CTTTGCCTTT 13
XX
XX RESULT 1939
XX ABH08918
XX ID ABH08918 standard; DNA; 13 BP.
XX AC ABH08918;
XX
XX DT 22-FEB-2002 (first entry)
XX
XX DE Oligonucleotide SEQ ID NO 208895 for detecting SNP TSC0006015.
XX
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
XX Homo sapiens.
XX
XX WO200177384-A2.
XX
XX 18-OCT-2001.
XX
XX 06-APR-2001; 2001WO-IB000713.
XX 07-APR-2000; 2000DE-01019173.
XX
XX Claim 1; SEQ ID NO 209246; 29pp + Sequence Listing; German.

XX (EPIG-) EPIGENOMICS AG.
XX Olek A, Piepenbrock C, Berlin K;
XX WPI; 2001-657177/75.
XX
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
XX designed to detect single-nucleotide polymorphisms and cytosine
XX methylation status.
XX
XX Claim 1; SEQ ID NO 208895; 29pp + Sequence Listing; German.
XX
XX This invention describes novel oligonucleotide primers or peptide nucleic
XX acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
XX and cytosine methylation status in chemically pretreated genomic DNA. The
XX oligonucleotides are used for diagnosis and/or prognosis of cancer and a
XX range of diseases including immune system, gastrointestinal, respiratory,
XX central nervous system, cardiovascular and metabolic disorders. The
XX oligomers are also used for detecting cell type differentiation. ABC00010
XX -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABT00010-ABT82073
XX represent the oligomers described in the invention. NOTE: The sequence
XX data for this patent did not form part of the printed specification, but
XX was obtained in electronic format from WIPO at
XX ftp.wipo.int/pub/published_pct_sequences
XX
XX Query Match 12.9%; Score 9.4; DB 1; Length 13;
XX Best Local Similarity 76.9%; Pred. No. 1.3e+03;
XX Matches 10; Conservative 1; Mismatches 2; Indels 0; Gaps 0;
XX
XX QY 910 TTCTTTGGTCTTT 922
XX ||||| |||||
XX 1 TTCTTTGGTCTTY 13
XX
XX RESULT 1940
XX ABH09269
XX ID ABH09269 standard; DNA; 13 BP.
XX AC ABH09269;
XX
XX DT 22-FEB-2002 (first entry)
XX
XX DE Oligonucleotide SEQ ID NO 209246 for detecting SNP TSC0051100.
XX
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
XX Homo sapiens.
XX
XX WO200177384-A2.
XX
XX DT 18-OCT-2001.
XX
XX DE 06-APR-2001; 2001WO-IB000713.
XX 07-APR-2000; 2000DE-01019173.
XX
XX (EPIG-) EPIGENOMICS AG.
XX Olek A, Piepenbrock C, Berlin K;
XX WPI; 2001-657177/75.
XX
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
XX designed to detect single-nucleotide polymorphisms and cytosine
XX methylation status.
XX
XX Claim 1; SEQ ID NO 209246; 29pp + Sequence Listing; German.

CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989, and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences

XX SQ Sequence 13 BP; 2 A; 4 C; 0 G; 7 T; 0 U; 0 Other;

Query Match 12.9%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 1.3e+03;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 935 TCCTCTTCATT 945
Db 1 TCCTCTTCATT 11

RESULT 1941
ABH09784
ID ABH09784 standard; DNA; 13 BP.
XX AC ABH09784;
XX DT 22-FEB-2002 (first entry)
XX DE Oligonucleotide SEQ ID NO 209761 for detecting SNP TSC0051215.
XX KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX OS Homo sapiens.
XX PN WO200177384-A2.
XX PD 18-OCT-2001.
XX PF 06-APR-2001; 2001WO-IB0000713.
XX PR 07-APR-2000; 2000DE-01019173.
XX PA (EPIG-) EPIGENOMICS AG.
XX PI Olek A, Piepenbrock C, Berlin K;
XX WPI; 2001-657177/75.
XX PT Set of oligonucleotides, useful for diagnosis and cell typing, is
XX designed to detect single-nucleotide polymorphisms and cytosine
XX methylation status.
XX PS Claim 1; SEQ ID NO 209761; 29pp + Sequence Listing; German.
XX CC This invention describes novel oligonucleotide primers or peptide nucleic
XX acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
XX and cytosine methylation status in chemically pretreated genomic DNA. The
XX oligonucleotides are used for diagnosis and/or prognosis of cancer and a
XX range of diseases including immune system, gastrointestinal, respiratory,
XX central nervous system, cardiovascular and metabolic disorders. The
XX oligomers are also used for detecting cell type differentiation. ABC00010
XX -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989, and ABI00010-ABI82073
XX represent the oligomers described in the invention. NOTE: The sequence
XX data for this patent did not form part of the printed specification, but
XX was obtained in electronic format from WIPO at
XX ftp.wipo.int/pub/published_pct_sequences

SQ Sequence 13 BP; 1 A; 1 C; 4 G; 7 T; 0 U; 0 Other;

Query Match 12.9%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 1.3e+03;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 920 TTGCGCTTTTA 930
Db 2 TTGCGCTTTTA 12

RESULT 1942
ABH37082/c
ID ABH37082 standard; DNA; 13 BP.
XX AC ABH37082;
XX DT 22-FEB-2002 (first entry)
XX DE Oligonucleotide SEQ ID NO 237059 for detecting SNP TSC0057828.
XX KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX OS Homo sapiens.
XX PN WO200177384-A2.
XX PD 18-OCT-2001.
XX PF 06-APR-2001; 2001WO-IB0000713.
XX PR 07-APR-2000; 2000DE-01019173.
XX PA (EPIG-) EPIGENOMICS AG.
XX PI Olek A, Piepenbrock C, Berlin K;
XX WPI; 2001-657177/75.
XX PT Set of oligonucleotides, useful for diagnosis and cell typing, is
XX designed to detect single-nucleotide polymorphisms and cytosine
XX methylation status.
XX PS Claim 1; SEQ ID NO 237059; 29pp + Sequence Listing; German.
XX CC This invention describes novel oligonucleotide primers or peptide nucleic
XX acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
XX and cytosine methylation status in chemically pretreated genomic DNA. The
XX oligonucleotides are used for diagnosis and/or prognosis of cancer and a
XX range of diseases including immune system, gastrointestinal, respiratory,
XX central nervous system, cardiovascular and metabolic disorders. The
XX oligomers are also used for detecting cell type differentiation. ABC00010
XX -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989, and ABI00010-ABI82073
XX represent the oligomers described in the invention. NOTE: The sequence
XX data for this patent did not form part of the printed specification, but
XX was obtained in electronic format from WIPO at
XX ftp.wipo.int/pub/published_pct_sequences

SQ Sequence 13 BP; 2 A; 1 C; 4 G; 6 T; 0 U; 0 Other;

Query Match 12.9%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 1.3e+03;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 960 CTACCAACGGT 970
Db 12 CTACCAACGAT 2

RESULT 1943
ABF62508

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ID ABF62508 standard; DNA; 13 BP.
XX AC ABF62508;
XX DT 22-FEB-2002 (first entry)
XX DE Oligonucleotide SEQ ID NO 162505 for detecting SNP TSC0040879.
XX KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX OS Homo sapiens.
XX PN WO200177384-A2.
XX PD 18-OCT-2001.
XX PF 06-APR-2001; 2001WO-IB000713.
XX PR 07-APR-2000; 2000DE-01019173.
XX PA (EPIG-) EPIGENOMICS AG.
XX PI Olek A, Piepenbrock C, Berlin K;
XX DR WPI; 2001-657177/75.
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX Claim 1; SEQ ID NO 162505; 29pp + Sequence Listing; German.
XX This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABG9989, ABF0010-ABF9989, ABH0010-ABH9989 and ABI0010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX SQ Sequence 13 BP; 6 A; 0 C; 2 G; 5 T; 0 U; 0 Other;
XX Query Match 12.9%; Score 9.4; DB 1; Length 13;
XX Best Local Similarity 90.9%; Pred. No. 1.3e+03;
XX Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
QY 943 ATTGGTTTAAT 953
DB 2 ATTGGATTAAAT 12
RESULT 1944
ABH38409/c
ID ABH38409 standard; DNA; 13 BP.
XX AC ABH38409;
XX DT 22-FEB-2002 (first entry)
XX DE Oligonucleotide SEQ ID NO 238396 for detecting SNP TSC0058142.
XX KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX OS Homo sapiens.
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XX PN WO200177384-A2.
XX PD 18-OCT-2001.
XX PF 06-APR-2001; 2001WO-IB000713.
XX PR 07-APR-2000; 2000DE-01019173.
XX PA (EPIG-) EPIGENOMICS AG.
XX PI Olek A, Piepenbrock C, Berlin K;
XX DR WPI; 2001-657177/75.
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX Claim 1; SEQ ID NO 238386; 29pp + Sequence Listing; German.
XX This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABG9989, ABF0010-ABF9989, ABH0010-ABH9989 and ABI0010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX SQ Sequence 13 BP; 8 A; 2 C; 0 G; 2 T; 0 U; 1 Other;
XX Query Match 12.9%; Score 9.4; DB 1; Length 13;
XX Best Local Similarity 90.9%; Pred. No. 1.3e+03;
XX Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
QY 947 GTTTAATGTAAT 957
DB 13 GTTTAATGTAAT 3
RESULT 1945
ABH39906/c
ID ABH39906 standard; DNA; 13 BP.
XX AC ABH39906;
XX DT 22-FEB-2002 (first entry)
XX DE Oligonucleotide SEQ ID NO 239893 for detecting SNP TSC0008514.
XX KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX OS Homo sapiens.
XX PN WO200177384-A2.
XX PD 18-OCT-2001.
XX PF 06-APR-2001; 2001WO-IB000713.
XX PR 07-APR-2000; 2000DE-01019173.
XX PA (EPIG-) EPIGENOMICS AG.
XX PI Olek A, Piepenbrock C, Berlin K;
```

DR WPI; 2001-657177/75.
XX
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
XX
PS Claim 1; SEQ ID NO 239883; 29pp + Sequence Listing; German.
XX
XX This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 13 BP; 9 A; 0 C; 2 G; 2 T; 0 U; 0 Other;
Query Match 12.9%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 1.3e+03;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
QY 920 TTTCCTTTTA 930
DB 13 TTTCCTTTTA 3
RESULT 1946
ABH16021/C
ID ABH16021 standard; DNA; 13 BP.
XX
XX AC ABH16021;
XX
XX 22-FEB-2002 (first entry)
XX
XX Oligonucleotide SEQ ID NO 215998 for detecting SNP TSC0052522.
XX
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
XX Homo sapiens.
XX
XX WO200177384-A2.
XX
XX 18-OCT-2001.
XX
XX 06-APR-2001; 2001WO-IB000713.
XX
XX 07-APR-2000; 2000DE-01019173.
XX
XX (EPIG-) EPIGENOMICS AG.
XX
XX Olek A, Piepenbrock C, Berlin K;
XX
XX WPI; 2001-657177/75.
XX
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
XX Claim 1; SEQ ID NO 215998; 29pp + Sequence Listing; German.
XX
XX This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
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CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 13 BP; 9 A; 0 C; 2 G; 2 T; 0 U; 0 Other;
Query Match 12.9%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 1.3e+03;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
QY 920 TTTCCTTTTA 930
DB 13 TTTCCTTTTA 3
RESULT 1947
ABH41301
ID ABH41301 standard; DNA; 13 BP.
XX
XX AC ABH41301;
XX
XX 22-FEB-2002 (first entry)
XX
XX Oligonucleotide SEQ ID NO 241278 for detecting SNP TSC0058852.
XX
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
XX Homo sapiens.
XX
XX WO200177384-A2.
XX
XX 18-OCT-2001.
XX
XX 06-APR-2001; 2001WO-IB000713.
XX
XX 07-APR-2000; 2000DE-01019173.
XX
XX (EPIG-) EPIGENOMICS AG.
XX
XX Olek A, Piepenbrock C, Berlin K;
XX
XX WPI; 2001-657177/75.
XX
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
XX Claim 1; SEQ ID NO 241278; 29pp + Sequence Listing; German.
XX
XX This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
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CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 13 BP; 3 A; 4 C; 0 G; 6 T; 0 U; 0 Other;
Query Match 12.9%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 1.3e+03;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

CC was obtained in electronic format from WIPO at
 CC ftp.wipo.int/pub/published_pct_sequences
 XX
 SQ Sequence 13 BP; 1 A; 0 C; 4 G; 7 T; 0 U; 1 Other;
 Query Match 12.9%; Score 9.4; DB 1; Length 13;
 Best Local Similarity 76.9%; Pred. No. 1.3e+03;
 Matches 10; Conservative 1; Mismatches 2; Indels 0; Gaps 0;

QY 946 GCTTTAATCTATC 958
 DB 1 GCTTTAGCTTTC 13
 ||||| |||||
 ||||| |||||

RESULT 1953
 ABC94164/C
 ID ABC94164 standard; DNA; 13 BP.
 XX
 AC ABC94164;
 XX
 DT 21-FEB-2002 (first entry)
 XX
 DE Oligonucleotide SEQ ID NO 94181 for detecting SNP TSC0023510.
 XX
 KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
 KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
 KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
 XX
 OS Homo sapiens.
 XX
 PN WO200177384-A2.
 XX
 PD 18-OCT-2001.
 XX
 PF 06-APR-2001; 2001WO-IB000713.
 XX
 PR 07-APR-2000; 2000DE-01019173.
 XX
 PA (EPIG-) EPIGENOMICS AG.
 XX
 PI Olek A, Piepenbrock C, Berlin K;
 XX
 DR WPI; 2001-657177/75.
 XX
 PT Set of oligonucleotides, useful for diagnosis and cell typing, is
 PT designed to detect single-nucleotide polymorphisms and cytosine
 PT methylation status.
 XX
 PS Claim 1; SEQ ID NO 94181; 29pp + Sequence Listing; German.
 XX
 CC This invention describes novel oligonucleotide primers or peptide nucleic
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
 CC and cytosine methylation status in chemically pretreated genomic DNA. The
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
 CC range of diseases including immune system, gastrointestinal, respiratory,
 CC central nervous system, cardiovascular and metabolic disorders. The
 CC oligomers are also used for detecting cell type differentiation. ABC00010
 CC -ABC9989, ABF0010-ABF9989, ABH0010-ABH9989 and ABI0010-ABI82073
 CC represent the oligomers described in the invention. NOTE: The sequence
 CC data for this patent did not form part of the printed specification, but
 CC was obtained in electronic format from WIPO at
 CC ftp.wipo.int/pub/published_pct_sequences
 XX
 SQ Sequence 13 BP; 4 A; 0 C; 8 G; 1 T; 0 U; 0 Other;

Query Match 12.9%; Score 9.4; DB 1; Length 13;
 Best Local Similarity 90.9%; Pred. No. 1.3e+03;
 Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 932 CCTCTCTCTTC 942
 DB 13 CCTCTCTCTTC 3
 ||||| |||||
 ||||| |||||

RESULT 1955
 ABC96215/C
 ID ABC96215 standard; DNA; 13 BP.
 XX
 AC ABC96215;
 XX
 DT 21-FEB-2002 (first entry)
 XX
 DE Oligonucleotide SEQ ID NO 96232 for detecting SNP TSC0023919.
 XX
 KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
 KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;

RESULT 1954
 ABC69635
 ID ABC69635 standard; DNA; 13 BP.
 XX
 AC ABC69635;
 XX
 DT 21-FEB-2002 (first entry)
 XX
 DE Oligonucleotide SEQ ID NO 69652 for detecting SNP TSC0018118.
 XX
 KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
 KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
 KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
 XX
 OS Homo sapiens.
 XX
 PN WO200177384-A2.
 XX
 PD 18-OCT-2001.
 XX
 PF 06-APR-2001; 2001WO-IB000713.
 XX
 PR 07-APR-2000; 2000DE-01019173.
 XX
 PA (EPIG-) EPIGENOMICS AG.
 XX
 PI Olek A, Piepenbrock C, Berlin K;
 XX
 DR WPI; 2001-657177/75.
 XX
 PT Set of oligonucleotides, useful for diagnosis and cell typing, is
 PT designed to detect single-nucleotide polymorphisms and cytosine
 PT methylation status.
 XX
 PS Claim 1; SEQ ID NO 69652; 29pp + Sequence Listing; German.
 XX
 CC This invention describes novel oligonucleotide primers or peptide nucleic
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
 CC and cytosine methylation status in chemically pretreated genomic DNA. The
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
 CC range of diseases including immune system, gastrointestinal, respiratory,
 CC central nervous system, cardiovascular and metabolic disorders. The
 CC oligomers are also used for detecting cell type differentiation. ABC00010
 CC -ABC9989, ABF0010-ABF9989, ABH0010-ABH9989 and ABI0010-ABI82073
 CC represent the oligomers described in the invention. NOTE: The sequence
 CC data for this patent did not form part of the printed specification, but
 CC was obtained in electronic format from WIPO at
 CC ftp.wipo.int/pub/published_pct_sequences
 XX
 SQ Sequence 13 BP; 3 A; 6 C; 0 G; 4 T; 0 U; 0 Other;

Query Match 12.9%; Score 9.4; DB 1; Length 13;
 Best Local Similarity 90.9%; Pred. No. 1.3e+03;
 Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 933 CCTCTCTCTTC 943
 DB 2 CCTCTCTCTTC 12
 ||||| |||||
 ||||| |||||

KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
 XX Homo sapiens.
 XX WO200177384-A2.
 XX 18-OCT-2001.
 PD 06-APR-2001; 2001WO-IB000713.
 PF 07-APR-2000; 2000DE-01019173.
 XX (EPIG-) EPIGENOMICS AG.
 XX Olek A, Piepenbrock C, Berlin K;
 XX WPI; 2001-657177/75.
 DR Set of oligonucleotides, useful for diagnosis and cell typing, is
 PT designed to detect single-nucleotide polymorphisms and cytosine
 PT methylation status.
 XX Claim 1; SEQ ID NO 96232; 29pp + Sequence Listing; German.
 PS This invention describes novel oligonucleotide primers or peptide nucleic
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
 CC and cytosine methylation status in chemically pretreated genomic DNA. The
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
 CC range of diseases including immune system, gastrointestinal, respiratory,
 CC central nervous system, cardiovascular and metabolic disorders. The
 CC oligomers are also used for detecting cell type differentiation. ABC00010
 CC -ABC9989, ABF0010-ABF9989, ABH0010-ABH9989 and AB10010-AB182073
 CC represent the oligomers described in the invention. NOTE: The sequence
 CC data for this patent did not form part of the printed specification, but
 CC was obtained in electronic format from WIPO at
 CC ftp.wipo.int/pub/published_pct_sequences
 XX Sequence 13 BP; 7 A; 5 C; 1 G; 0 T; 0 U; 0 Other;
 SQ Query Match 12.9%; Score 9.4; DB 1; Length 13;
 Best Local Similarity 90.9%; Pred. No. 1.3e+03;
 Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
 QY 909 TTTCTTTGGTC 919
 DB 13 TTTGTTGGTC 3
 RESULT 1956
 ABC50400
 ID ABC50400 standard; DNA; 13 BP.
 XX ABC50400;
 AC ABC50400;
 XX 21-FEB-2002 (first entry)
 DT Oligonucleotide SEQ ID NO 50417 for detecting SNP TSC0014174.
 DE SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
 XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
 KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
 XX Homo sapiens.
 OS WO200177384-A2.
 PN 18-OCT-2001.
 PD 06-APR-2001; 2001WO-IB000713.
 PF 07-APR-2000; 2000DE-01019173.
 XX (EPIG-) EPIGENOMICS AG.
 PA

XX Olek A, Piepenbrock C, Berlin K;
 XX WPI; 2001-657177/75.
 DR Set of oligonucleotides, useful for diagnosis and cell typing, is
 PT designed to detect single-nucleotide polymorphisms and cytosine
 PT methylation status.
 XX Claim 1; SEQ ID NO 50417; 29pp + Sequence Listing; German.
 PS This invention describes novel oligonucleotide primers or peptide nucleic
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
 CC and cytosine methylation status in chemically pretreated genomic DNA. The
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
 CC range of diseases including immune system, gastrointestinal, respiratory,
 CC central nervous system, cardiovascular and metabolic disorders. The
 CC oligomers are also used for detecting cell type differentiation. ABC00010
 CC -ABC9989, ABF0010-ABF9989, ABH0010-ABH9989 and AB10010-AB182073
 CC represent the oligomers described in the invention. NOTE: The sequence
 CC data for this patent did not form part of the printed specification, but
 CC was obtained in electronic format from WIPO at
 CC ftp.wipo.int/pub/published_pct_sequences
 XX Sequence 13 BP; 0 A; 0 C; 4 G; 9 T; 0 U; 0 Other;
 SQ Query Match 12.9%; Score 9.4; DB 1; Length 13;
 Best Local Similarity 90.9%; Pred. No. 1.3e+03;
 Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
 QY 908 TTTCTTTGGTC 918
 DB 3 TTTGTTGGTC 13
 RESULT 1957
 ABC51417/C
 ID ABC51417 standard; DNA; 13 BP.
 XX ABC51417;
 AC ABC51417;
 XX 21-FEB-2002 (first entry)
 DT Oligonucleotide SEQ ID NO 51434 for detecting SNP TSC0014360.
 DE SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
 KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
 KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
 XX Homo sapiens.
 OS WO200177384-A2.
 PN 18-OCT-2001.
 PD 06-APR-2001; 2001WO-IB000713.
 PF 07-APR-2000; 2000DE-01019173.
 XX (EPIG-) EPIGENOMICS AG.
 PA Olek A, Piepenbrock C, Berlin K;
 XX WPI; 2001-657177/75.
 DR Set of oligonucleotides, useful for diagnosis and cell typing, is
 PT designed to detect single-nucleotide polymorphisms and cytosine
 PT methylation status.
 XX Claim 1; SEQ ID NO 51434; 29pp + Sequence Listing; German.
 PS This invention describes novel oligonucleotide primers or peptide nucleic
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)

CC and cytosine methylation status in chemically pretreated genomic DNA. The
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
 CC range of diseases including immune system, gastrointestinal, respiratory,
 CC central nervous system, cardiovascular and metabolic disorders. The
 CC oligomers are also used for detecting cell type differentiation. ABC00010
 CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
 CC represent the oligomers described in the invention. NOTE: The sequence
 CC data for this patent did not form part of the printed specification, but
 CC was obtained in electronic format from WIPO at
 CC ftp.wipo.int/pub/published_pct_sequences
 XX
 SQ Sequence 13 BP; 6 A; 3 C; 0 G; 4 T; 0 U; 0 Other;

Query Match 12.9%; Score 9.4; DB 1; Length 13;
 Best Local Similarity 90.9%; Pred. No. 1.3e+03;
 Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 949 TTAATGATCG 959
 DB 12 TTAATGATCG 2
 |||||

RESULT 1958
 ABC76944
 ID ABC76944 standard; DNA; 13 BP.
 XX
 AC ABC76944;

DT 21-FEB-2002 (first entry)

DE Oligonucleotide SEQ ID NO 76961 for detecting SNP TSC0019654.

XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
 KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
 KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
 XX
 OS Homo sapiens.

PN WO200177384-A2.

PD 18-OCT-2001.

PP 06-APR-2001; 2001WO-IB000713.

PR 07-APR-2000; 2000DE-01019173.

PA (EPIG-) EPIGENOMICS AG.

PI Olek A, Piepenbrock C, Berlin K;

XX WPI; 2001-657177/75.

XX Set of oligonucleotides, useful for diagnosis and cell typing, is
 PT designed to detect single-nucleotide polymorphisms and cytosine
 PT methylation status.

PS Claim 1; SEQ ID NO 76961; 29pp + Sequence Listing; German.

XX This invention describes novel oligonucleotide primers or peptide nucleic
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
 CC and cytosine methylation status in chemically pretreated genomic DNA. The
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
 CC range of diseases including immune system, gastrointestinal, respiratory,
 CC central nervous system, cardiovascular and metabolic disorders. The
 CC oligomers are also used for detecting cell type differentiation. ABC00010
 CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
 CC represent the oligomers described in the invention. NOTE: The sequence
 CC data for this patent did not form part of the printed specification, but
 CC was obtained in electronic format from WIPO at
 CC ftp.wipo.int/pub/published_pct_sequences
 XX

SQ Sequence 13 BP; 2 A; 0 C; 3 G; 7 T; 0 U; 1 Other;

Query Match 12.9%; Score 9.4; DB 1; Length 13;
 Best Local Similarity 90.9%; Pred. No. 1.3e+03;
 Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 913 TTGTGCTTTG 923
 DB 1 TTGTGCTTTG 11
 |||||

RESULT 1959
 ABC76945/c
 ID ABC76945 standard; DNA; 13 BP.
 XX
 AC ABC76945;

DT 21-FEB-2002 (first entry)

XX Oligonucleotide SEQ ID NO 76962 for detecting SNP TSC0019654.

XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
 KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
 KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
 XX
 OS Homo sapiens.

PN WO200177384-A2.

PD 18-OCT-2001.

PP 06-APR-2001; 2001WO-IB000713.

PR 07-APR-2000; 2000DE-01019173.

PA (EPIG-) EPIGENOMICS AG.

PI Olek A, Piepenbrock C, Berlin K;

XX WPI; 2001-657177/75.

XX Set of oligonucleotides, useful for diagnosis and cell typing, is
 PT designed to detect single-nucleotide polymorphisms and cytosine
 PT methylation status.

PS Claim 1; SEQ ID NO 76962; 29pp + Sequence Listing; German.

XX This invention describes novel oligonucleotide primers or peptide nucleic
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
 CC and cytosine methylation status in chemically pretreated genomic DNA. The
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
 CC range of diseases including immune system, gastrointestinal, respiratory,
 CC central nervous system, cardiovascular and metabolic disorders. The
 CC oligomers are also used for detecting cell type differentiation. ABC00010
 CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
 CC represent the oligomers described in the invention. NOTE: The sequence
 CC data for this patent did not form part of the printed specification, but
 CC was obtained in electronic format from WIPO at
 CC ftp.wipo.int/pub/published_pct_sequences
 XX

SQ Sequence 13 BP; 7 A; 3 C; 0 G; 2 T; 0 U; 1 Other;

Query Match 12.9%; Score 9.4; DB 1; Length 13;
 Best Local Similarity 90.9%; Pred. No. 1.3e+03;
 Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 913 TTGTGCTTTG 923
 DB 13 TTGTGCTTTG 3
 |||||

RESULT 1960
 ABF02724
 ID ABF02724 standard; DNA; 13 BP.
 XX

```
AC ABF02724;
XX
XX 21-FEB-2002 (first entry)
XX
XX Oligonucleotide SEQ ID NO 102721 for detecting SNP TSC0025656.
XX
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
XX Homo sapiens.
XX
XX WO200177384-A2.
XX
XX 18-OCT-2001.
XX
XX 06-APR-2001; 2001WO-IB000713.
XX
XX 07-APR-2000; 2000DE-01019173.
XX
XX (EPIG-) EPIGENOMICS AG.
XX
XX Olek A, Piepenbrock C, Berlin K;
XX
XX WPI; 2001-657177/75.
XX
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
XX designed to detect single-nucleotide polymorphisms and cytosine
XX methylation status.
XX
XX Claim 1; SEQ ID NO 102721; 29pp + Sequence Listing; German.
XX
XX This invention describes novel oligonucleotide primers or peptide nucleic
XX acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
XX and cytosine methylation status in chemically pretreated genomic DNA. The
XX oligonucleotides are used for diagnosis and/or prognosis of cancer and a
XX range of diseases including immune system, gastrointestinal, respiratory,
XX central nervous system, cardiovascular and metabolic disorders. The
XX oligomers are also used for detecting cell type differentiation. ABC00010
XX -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
XX represent the oligomers described in the invention. NOTE: The sequence
XX data for this patent did not form part of the printed specification, but
XX was obtained in electronic format from WIPO at
XX ftp.wipo.int/pub/published_pct_sequences
XX
XX Sequence 13 BP; 3 A; 0 C; 3 G; 7 T; 0 U; 0 Other;
XX
XX Query Match 12.9%; Score 9.4; DB 1; Length 13;
XX Best Local Similarity 90.9%; Pred. No. 1.3e+03;
XX Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
XX
XX QY 943 ATTGTTTAAAT 953
XX ||| |||||
XX 3 ATTGTTTAAAT 13
XX
XX RESULT 1961
XX ABC03283
XX ID ABC03283 standard; DNA; 13 BP.
XX
XX AC ABC03283;
XX
XX 20-FEB-2002 (first entry)
XX
XX Oligonucleotide SEQ ID NO 3274 for detecting SNP TSC0001238.
XX
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
XX Homo sapiens.
XX
XX WO200177384-A2.
XX
XX
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XX 18-OCT-2001.
XX
XX 06-APR-2001; 2001WO-IB000713.
XX
XX 07-APR-2000; 2000DE-01019173.
XX
XX (EPIG-) EPIGENOMICS AG.
XX
XX Olek A, Piepenbrock C, Berlin K;
XX
XX WPI; 2001-657177/75.
XX
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
XX designed to detect single-nucleotide polymorphisms and cytosine
XX methylation status.
XX
XX Claim 1; SEQ ID NO 3274; 29pp + Sequence Listing; German.
XX
XX This invention describes novel oligonucleotide primers or peptide nucleic
XX acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
XX and cytosine methylation status in chemically pretreated genomic DNA. The
XX oligonucleotides are used for diagnosis and/or prognosis of cancer and a
XX range of diseases including immune system, gastrointestinal, respiratory,
XX central nervous system, cardiovascular and metabolic disorders. The
XX oligomers are also used for detecting cell type differentiation. ABC00010
XX -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
XX represent the oligomers described in the invention. NOTE: The sequence
XX data for this patent did not form part of the printed specification, but
XX was obtained in electronic format from WIPO at
XX ftp.wipo.int/pub/published_pct_sequences
XX
XX Sequence 13 BP; 1 A; 6 C; 1 G; 4 T; 0 U; 1 Other;
XX
XX Query Match 12.9%; Score 9.4; DB 1; Length 13;
XX Best Local Similarity 90.9%; Pred. No. 1.3e+03;
XX Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
XX
XX QY 930 ATCCGTCCTCT 940'
XX ||| |||||
XX 3 ATCCGTCCTCT 13
XX
XX RESULT 1962
XX ABC28609/C
XX ID ABC28609 standard; DNA; 13 BP.
XX
XX AC ABC28609;
XX
XX 20-FEB-2002 (first entry)
XX
XX Oligonucleotide SEQ ID NO 28626 for detecting SNP TSC0008250.
XX
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
XX Homo sapiens.
XX
XX WO200177384-A2.
XX
XX 18-OCT-2001.
XX
XX 06-APR-2001; 2001WO-IB000713.
XX
XX 07-APR-2000; 2000DE-01019173.
XX
XX (EPIG-) EPIGENOMICS AG.
XX
XX Olek A, Piepenbrock C, Berlin K;
XX
XX WPI; 2001-657177/75.
XX
XX
```

PT Set of oligonucleotides, useful for diagnosis and cell typing, is
 PT designed to detect single-nucleotide polymorphisms and cytosine
 PT methylation status.

XX Claim 1; SEQ ID NO 28626; 29pp + Sequence Listing; German.

XX This invention describes novel oligonucleotide primers or peptide nucleic
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
 CC and cytosine methylation status in chemically pretreated genomic DNA. The
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
 CC range of diseases including immune system, gastrointestinal, respiratory,
 CC central nervous system, cardiovascular and metabolic disorders. The
 CC oligomers are also used for detecting cell type differentiation. ABC00010
 CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
 CC represent the oligomers described in the invention. NOTE: The sequence
 CC data for this patent did not form part of the printed specification, but
 CC was obtained in electronic format from WIPO at
 CC ftp.wipo.int/pub/published_pct_sequences

XX SQ Sequence 13 BP; 8 A; 1 C; 0 G; 3 T; 0 U; 1 Other;

Query Match 12.9%; Score 9.4; DB 1; Length 13;
 Best Local Similarity 76.9%; Pred. No. 1.3e+03;
 Matches 10; Conservative 1; Mismatches 2; Indels 0; Gaps 0;

QY 941 TCATTGGTTTAAAT 953

Db 13 TTATTTGTTTAA 1

RESULT 1963

ABC54365/C
 ID ABC54365 standard; DNA; 13 BP.

XX AC ABC54365;

DT 21-FEB-2002 (first entry)

XX Oligonucleotide SEQ ID NO 54382 for detecting SNP TSC0014918.

XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
 KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
 KW central nervous system; gastrointestinal; respiratory; immune; metabolic.

XX OS Homo sapiens.

XX WO200177384-A2.

XX 18-OCT-2001.

XX 06-APR-2001; 2001WO-IB000713.

XX 07-APR-2000; 2000DE-01019173.

XX (EPIG-) EPIGENOMICS AG.

XX Olek A, Piepenbrock C, Berlin K;

XX WPI; 2001-657177/75.

XX Set of oligonucleotides, useful for diagnosis and cell typing, is
 PT designed to detect single-nucleotide polymorphisms and cytosine
 PT methylation status.

XX Claim 1; SEQ ID NO 54382; 29pp + Sequence Listing; German.

XX This invention describes novel oligonucleotide primers or peptide nucleic
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
 CC and cytosine methylation status in chemically pretreated genomic DNA. The
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
 CC range of diseases including immune system, gastrointestinal, respiratory,
 CC central nervous system, cardiovascular and metabolic disorders. The
 CC oligomers are also used for detecting cell type differentiation. ABC00010

CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
 CC represent the oligomers described in the invention. NOTE: The sequence
 CC data for this patent did not form part of the printed specification, but
 CC was obtained in electronic format from WIPO at
 CC ftp.wipo.int/pub/published_pct_sequences

XX SQ Sequence 13 BP; 7 A; 5 C; 0 G; 0 T; 0 U; 1 Other;

Query Match 12.9%; Score 9.4; DB 1; Length 13;
 Best Local Similarity 90.9%; Pred. No. 1.3e+03;
 Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 913 TTTGGTCTTTG 923

Db 13 TTTGGTCTTTG 3

RESULT 1964

ABC05709/C
 ID ABC05709 standard; DNA; 13 BP.

XX AC ABC05709;

DT 20-FEB-2002 (first entry)

XX Oligonucleotide SEQ ID NO 5700 for detecting SNP TSC0001864.

XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
 KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
 KW central nervous system; gastrointestinal; respiratory; immune; metabolic.

XX OS Homo sapiens.

XX WO200177384-A2.

XX 18-OCT-2001.

XX 06-APR-2001; 2001WO-IB000713.

XX 07-APR-2000; 2000DE-01019173.

XX (EPIG-) EPIGENOMICS AG.

XX Olek A, Piepenbrock C, Berlin K;

XX WPI; 2001-657177/75.

XX Set of oligonucleotides, useful for diagnosis and cell typing, is
 PT designed to detect single-nucleotide polymorphisms and cytosine
 PT methylation status.

XX Claim 1; SEQ ID NO 5700; 29pp + Sequence Listing; German.

XX This invention describes novel oligonucleotide primers or peptide nucleic
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
 CC and cytosine methylation status in chemically pretreated genomic DNA. The
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
 CC range of diseases including immune system, gastrointestinal, respiratory,
 CC central nervous system, cardiovascular and metabolic disorders. The
 CC oligomers are also used for detecting cell type differentiation. ABC00010
 CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
 CC represent the oligomers described in the invention. NOTE: The sequence
 CC data for this patent did not form part of the printed specification, but
 CC was obtained in electronic format from WIPO at
 CC ftp.wipo.int/pub/published_pct_sequences

XX SQ Sequence 13 BP; 9 A; 2 C; 0 G; 1 T; 0 U; 1 Other;

Query Match 12.9%; Score 9.4; DB 1; Length 13;
 Best Local Similarity 76.9%; Pred. No. 1.3e+03;
 Matches 10; Conservative 1; Mismatches 2; Indels 0; Gaps 0;

QY 909 TTTCTTTGGTCTT 921

PR 07-APR-2000; 2000DE-01019173.
 XX (EPIG-) EPIGENOMICS AG.
 PA Olek A, Piepenbrock C, Berlin K;
 PI WPI; 2001-657177/75.
 DR Set of oligonucleotides, useful for diagnosis and cell typing, is
 XX designed to detect single-nucleotide polymorphisms and cytosine
 PT methylation status.
 PT Claim 1; SEQ ID NO 107525; 29pp + Sequence Listing; German.
 PS
 XX This invention describes novel oligonucleotide primers or peptide nucleic
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
 CC and cytosine methylation status in chemically pretreated genomic DNA. The
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
 CC range of diseases including immune system, gastrointestinal, respiratory,
 CC central nervous system, cardiovascular and metabolic disorders. The
 CC oligomers are also used for detecting cell type differentiation. ABC00010
 CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and AB100010-AB182073
 CC represent the oligomers described in the invention. NOTE: The sequence
 CC data for this patent did not form part of the printed specification, but
 CC was obtained in electronic format from WIPO at
 CC ftp.wipo.int/pub/published_pct_sequences
 XX
 SQ Sequence 13 BP; 0 A; 1 C; 4 G; 8 T; 0 U; 0 Other;
 Query Match 12.9%; Score 9.4; DB 1; Length 13;
 Best Local Similarity 90.9%; Pred. No. 1.3e+03;
 Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
 QY 940 TTCATTGGTTT 950
 DB 1 TTCATTGGTTT 11
 RESULT 1968
 ABC83282/c
 ID ABC83282 standard; DNA; 13 BP.
 XX
 AC ABC83282;
 XX
 DT 21-FEB-2002 (first entry)
 XX
 DE Oligonucleotide SEQ ID NO 83299 for detecting SNP TSC0020996.
 XX
 KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
 KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
 KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
 XX
 OS Homo sapiens.
 XX
 PN WO200177384-A2.
 XX
 PD 18-OCT-2001.
 XX
 PF 06-APR-2001; 2001WO-IB000713.
 XX
 PR 07-APR-2000; 2000DE-01019173.
 XX
 PA (EPIG-) EPIGENOMICS AG.
 XX
 PI Olek A, Piepenbrock C, Berlin K;
 XX
 DR WPI; 2001-657177/75.
 XX
 XX Set of oligonucleotides, useful for diagnosis and cell typing, is
 PT designed to detect single-nucleotide polymorphisms and cytosine
 PT methylation status.
 XX
 PS Claim 1; SEQ ID NO 83299; 29pp + Sequence Listing; German.

XX This invention describes novel oligonucleotide primers or peptide nucleic
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
 CC and cytosine methylation status in chemically pretreated genomic DNA. The
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
 CC range of diseases including immune system, gastrointestinal, respiratory,
 CC central nervous system, cardiovascular and metabolic disorders. The
 CC oligomers are also used for detecting cell type differentiation. ABC00010
 CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and AB100010-AB182073
 CC represent the oligomers described in the invention. NOTE: The sequence
 CC data for this patent did not form part of the printed specification, but
 CC was obtained in electronic format from WIPO at
 CC ftp.wipo.int/pub/published_pct_sequences
 XX
 SQ Sequence 13 BP; 7 A; 0 C; 3 G; 3 T; 0 U; 0 Other;
 Query Match 12.9%; Score 9.4; DB 1; Length 13;
 Best Local Similarity 90.9%; Pred. No. 1.3e+03;
 Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
 QY 935 TCCTCTTCATT 945
 DB 12 TCCTCTTCATT 2
 RESULT 1969
 ABC88315
 ID ABC88315 standard; DNA; 13 BP.
 XX
 AC ABC88315;
 XX
 DT 21-FEB-2002 (first entry)
 XX
 DE Oligonucleotide SEQ ID NO 88332 for detecting SNP TSC0022196.
 XX
 KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
 KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
 KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
 XX
 OS Homo sapiens.
 XX
 PN WO200177384-A2.
 XX
 PD 18-OCT-2001.
 XX
 PF 06-APR-2001; 2001WO-IB000713.
 XX
 PR 07-APR-2000; 2000DE-01019173.
 XX
 PA (EPIG-) EPIGENOMICS AG.
 XX
 PI Olek A, Piepenbrock C, Berlin K;
 XX
 DR WPI; 2001-657177/75.
 XX
 XX Set of oligonucleotides, useful for diagnosis and cell typing, is
 PT designed to detect single-nucleotide polymorphisms and cytosine
 PT methylation status.
 XX
 PS Claim 1; SEQ ID NO 88332; 29pp + Sequence Listing; German.
 XX
 XX This invention describes novel oligonucleotide primers or peptide nucleic
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
 CC and cytosine methylation status in chemically pretreated genomic DNA. The
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
 CC range of diseases including immune system, gastrointestinal, respiratory,
 CC central nervous system, cardiovascular and metabolic disorders. The
 CC oligomers are also used for detecting cell type differentiation. ABC00010
 CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and AB100010-AB182073
 CC represent the oligomers described in the invention. NOTE: The sequence
 CC data for this patent did not form part of the printed specification, but
 CC was obtained in electronic format from WIPO at
 CC ftp.wipo.int/pub/published_pct_sequences
 CC

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XX SQ Sequence 13 BP; 2 A; 2 C; 0 G; 9 T; 0 U; 0 Other;
XX
Query Match 12.9%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 1.3e+03;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 905 TCATTTCTTT 915
||| |||||
Db 3 TCATTTCTTT 13

RESULT 1970
ABC14556/c
ID ABC14556 standard; DNA; 13 BP.
XX
AC ABC14556;
XX
DT 20-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 14563 for detecting SNP TSC0003286.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
WPI; 2001-657177/75.
XX
Set of oligonucleotides, useful for diagnosis and cell typing, is
designed to detect single-nucleotide polymorphisms and cytosine
methylation status.
XX
Claim 1; SEQ ID NO 14563; 29pp + Sequence Listing; German.
XX
This invention describes novel oligonucleotide primers or peptide nucleic
acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
and cytosine methylation status in chemically pretreated genomic DNA. The
oligonucleotides are used for diagnosis and/or prognosis of cancer and a
range of diseases including immune system, gastrointestinal, respiratory,
central nervous system, cardiovascular and metabolic disorders. The
oligonucleotides are also used for detecting cell type differentiation. ABC00010
-ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
represent the oligomers described in the invention. NOTE: The sequence
data for this patent did not form part of the printed specification, but
was obtained in electronic format from WIPO at
ftp.wipo.int/pub/published_pct_sequences
XX
Sequence 13 BP; 4 A; 0 C; 9 G; 0 T; 0 U; 0 Other;
XX
Query Match 12.9%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 1.3e+03;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 931 TCCTCTCTCTT 941
||| |||||
Db 11 TCCTCTCTCTT 1

RESULT 1971
```

```
ABC39739/c
ID ABC39739 standard; DNA; 13 BP.
XX
AC ABC39739;
XX
DT 20-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 39756 for detecting SNP TSC0012139.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
WPI; 2001-657177/75.
XX
Set of oligonucleotides, useful for diagnosis and cell typing, is
designed to detect single-nucleotide polymorphisms and cytosine
methylation status.
XX
Claim 1; SEQ ID NO 39756; 29pp + Sequence Listing; German.
XX
This invention describes novel oligonucleotide primers or peptide nucleic
acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
and cytosine methylation status in chemically pretreated genomic DNA. The
oligonucleotides are used for diagnosis and/or prognosis of cancer and a
range of diseases including immune system, gastrointestinal, respiratory,
central nervous system, cardiovascular and metabolic disorders. The
oligonucleotides are also used for detecting cell type differentiation. ABC00010
-ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
represent the oligomers described in the invention. NOTE: The sequence
data for this patent did not form part of the printed specification, but
was obtained in electronic format from WIPO at
ftp.wipo.int/pub/published_pct_sequences
XX
Sequence 13 BP; 8 A; 2 C; 0 G; 2 T; 0 U; 1 Other;
XX
Query Match 12.9%; Score 9.4; DB 1; Length 13;
Best Local Similarity 76.9%; Pred. No. 1.3e+03;
Matches 10; Conservative 1; Mismatches 2; Indels 0; Gaps 0;

Qy 910 TTCTTTGCTCTT 922
||| |||||
Db 13 TTATTTGCTATT 1

RESULT 1972
ABC15529/c
ID ABC15529 standard; DNA; 13 BP.
XX
AC ABC15529;
XX
DT 20-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 15536 for detecting SNP TSC0003441.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
```

OS Homo sapiens.
 XX WO200177384-A2.
 XX 18-OCT-2001.
 XX 06-APR-2001; 2001WO-IB000713.
 XX 07-APR-2000; 2000DE-01019173.
 XX (EPIG-) EPIGENOMICS AG.
 XX Olek A, Piepenbrock C, Berlin K;
 XX WPI; 2001-657177/75.
 XX Set of oligonucleotides, useful for diagnosis and cell typing, is
 PT designed to detect single-nucleotide polymorphisms and cytosine
 PT methylation status.
 XX Claim 1; SEQ ID NO 15536; 29pp + Sequence Listing; German.
 XX This invention describes novel oligonucleotide primers or peptide nucleic
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
 CC and cytosine methylation status in chemically pretreated genomic DNA. The
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
 CC range of diseases including immune system, gastrointestinal, respiratory,
 CC central nervous system, cardiovascular and metabolic disorders. The
 CC oligomers are also used for detecting cell type differentiation. ABC00010
 CC -ABC9989, ABF00010-ABF9989, ABH00010-ABH9989 and ABI00010-ABI82073
 CC represent the oligomers described in the invention. NOTE: The sequence
 CC data for this patent did not form part of the printed specification, but
 CC was obtained in electronic format from WIPO at
 CC ftp.wipo.int/pub/published_pct_sequences
 XX Sequence 13 BP; 8 A; 1 C; 0 G; 4 T; 0 U; 0 Other;
 CC Query Match 12.9%; Score 9.4; DB 1; Length 13;
 CC Best Local Similarity 90.9%; Pred. No. 1.3e+03;
 CC Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
 OY 947 GTTTAATGAT 957
 DB 12 GTTTAATTAT 2
 RESULT 1973
 ABC90607
 ID ABC90607 standard; DNA; 13 BP.
 AC ABC90607;
 XX 21-FEB-2002 (first entry)
 DE Oligonucleotide SEQ ID NO 90624 for detecting SNP TSC0022708.
 XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
 KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
 KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
 XX Homo sapiens.
 OS WO200177384-A2.
 XX 18-OCT-2001.
 XX 06-APR-2001; 2001WO-IB000713.
 XX 07-APR-2000; 2000DE-01019173.
 XX (EPIG-) EPIGENOMICS AG.
 XX Olek A, Piepenbrock C, Berlin K;
 XX WPI; 2001-657177/75.
 XX Set of oligonucleotides, useful for diagnosis and cell typing, is
 PT designed to detect single-nucleotide polymorphisms and cytosine
 PT methylation status.
 XX Claim 1; SEQ ID NO 41073; 29pp + Sequence Listing; German.
 XX This invention describes novel oligonucleotide primers or peptide nucleic
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
 CC and cytosine methylation status in chemically pretreated genomic DNA. The
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
 CC range of diseases including immune system, gastrointestinal, respiratory,
 CC central nervous system, cardiovascular and metabolic disorders. The
 CC oligomers are also used for detecting cell type differentiation. ABC00010
 CC -ABC9989, ABF00010-ABF9989, ABH00010-ABH9989 and ABI00010-ABI82073
 CC represent the oligomers described in the invention. NOTE: The sequence
 CC data for this patent did not form part of the printed specification, but
 CC was obtained in electronic format from WIPO at
 CC ftp.wipo.int/pub/published_pct_sequences
 XX Sequence 13 BP; 8 A; 1 C; 0 G; 4 T; 0 U; 0 Other;
 CC Query Match 12.9%; Score 9.4; DB 1; Length 13;
 CC Best Local Similarity 90.9%; Pred. No. 1.3e+03;
 CC Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
 OY 947 GTTTAATGAT 957
 DB 12 GTTTAATTAT 2
 RESULT 1973
 ABC90607
 ID ABC90607 standard; DNA; 13 BP.
 AC ABC90607;
 XX 21-FEB-2002 (first entry)
 DE Oligonucleotide SEQ ID NO 90624 for detecting SNP TSC0022708.
 XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
 KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
 KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
 XX Homo sapiens.
 OS WO200177384-A2.
 XX 18-OCT-2001.
 XX 06-APR-2001; 2001WO-IB000713.
 XX 07-APR-2000; 2000DE-01019173.
 XX (EPIG-) EPIGENOMICS AG.
 XX Olek A, Piepenbrock C, Berlin K;

XX WPI; 2001-657177/75.
 XX Set of oligonucleotides, useful for diagnosis and cell typing, is
 PT designed to detect single-nucleotide polymorphisms and cytosine
 PT methylation status.
 XX Claim 1; SEQ ID NO 90624; 29pp + Sequence Listing; German.
 XX This invention describes novel oligonucleotide primers or peptide nucleic
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
 CC and cytosine methylation status in chemically pretreated genomic DNA. The
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
 CC range of diseases including immune system, gastrointestinal, respiratory,
 CC central nervous system, cardiovascular and metabolic disorders. The
 CC oligomers are also used for detecting cell type differentiation. ABC00010
 CC -ABC9989, ABF00010-ABF9989, ABH00010-ABH9989 and ABI00010-ABI82073
 CC represent the oligomers described in the invention. NOTE: The sequence
 CC data for this patent did not form part of the printed specification, but
 CC was obtained in electronic format from WIPO at
 CC ftp.wipo.int/pub/published_pct_sequences
 XX Sequence 13 BP; 0 A; 2 C; 0 G; 11 T; 0 U; 0 Other;
 CC Query Match 12.9%; Score 9.4; DB 1; Length 13;
 CC Best Local Similarity 90.9%; Pred. No. 1.3e+03;
 CC Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
 OY 905 TCATTTTCCTTT 915
 DB 3 TCATTTTCCTTT 13
 RESULT 1974
 ABC41056
 ID ABC41056 standard; DNA; 13 BP.
 AC ABC41056;
 XX 21-FEB-2002 (first entry)
 DE Oligonucleotide SEQ ID NO 41073 for detecting SNP TSC0012383.
 XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
 KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
 KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
 XX Homo sapiens.
 OS WO200177384-A2.
 XX 18-OCT-2001.
 XX 06-APR-2001; 2001WO-IB000713.
 XX 07-APR-2000; 2000DE-01019173.
 XX (EPIG-) EPIGENOMICS AG.
 XX Olek A, Piepenbrock C, Berlin K;
 XX WPI; 2001-657177/75.
 XX Set of oligonucleotides, useful for diagnosis and cell typing, is
 PT designed to detect single-nucleotide polymorphisms and cytosine
 PT methylation status.
 XX Claim 1; SEQ ID NO 41073; 29pp + Sequence Listing; German.
 XX This invention describes novel oligonucleotide primers or peptide nucleic
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
 CC and cytosine methylation status in chemically pretreated genomic DNA. The
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
 CC range of diseases including immune system, gastrointestinal, respiratory,
 CC central nervous system, cardiovascular and metabolic disorders. The
 CC oligomers are also used for detecting cell type differentiation. ABC00010
 CC -ABC9989, ABF00010-ABF9989, ABH00010-ABH9989 and ABI00010-ABI82073
 CC represent the oligomers described in the invention. NOTE: The sequence
 CC data for this patent did not form part of the printed specification, but
 CC was obtained in electronic format from WIPO at
 CC ftp.wipo.int/pub/published_pct_sequences

CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 13 BP; 2 A; 0 C; 5 G; 6 T; 0 U; 0 Other;

Query Match 12.9%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 1.3e+03;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 944 TTGGTTTAATG 954
DB 3 TTGGTTGAATG 13

RESULT 1975
ABF23911/c
ID ABF23911 standard; DNA; 13 BP.
XX
AC ABF23911;
XX
DT 21-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 123908 for detecting SNP TSC0030983.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
DR WPI; 2001-657177/75.
XX
PT Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
PS Claim 1; SEQ ID NO 123908; 29pp + Sequence Listing; German.
XX
SQ This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 13 BP; 8 A; 3 C; 1 G; 0 T; 0 U; 1 Other;

Query Match 12.9%; Score 9.4; DB 1; Length 13;
Best Local Similarity 76.9%; Pred. No. 1.3e+03;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Matches 10; Conservative 1; Mismatches 2; Indels 0; Gaps 0;

QY 910 TTCTTTGGTCTTT 922
DB 13 TTCTTTGGTCTTT 1

RESULT 1976
ABF26454
ID ABF26454 standard; DNA; 13 BP.
XX
AC ABF26454;
XX
DT 21-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 126451 for detecting SNP TSC0031640.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
DR WPI; 2001-657177/75.
XX
PT Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
PS Claim 1; SEQ ID NO 126451; 29pp + Sequence Listing; German.
XX
SQ This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 13 BP; 3 A; 0 C; 2 G; 8 T; 0 U; 0 Other;

Query Match 12.9%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 1.3e+03;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 947 GTTTAATGTAAT 957
DB 2 GTTTAATGTAAT 12

RESULT 1977
ABF28322
ID ABF28322 standard; DNA; 13 BP.
XX
AC ABF28322;
XX

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DT 21-FEB-2002 (first entry)
DE Oligonucleotide SEQ ID NO 128319 for detecting SNP TSC0032146.
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX Homo sapiens.
XX WO200177384-A2.
XX 18-OCT-2001.
XX 06-APR-2001; 2001WO-IB000713.
XX 07-APR-2000; 2000DE-01019173.
XX (EPIG-) EPIGENOMICS AG.
XX Olek A, Piepenbrock C, Berlin K;
XX WPI; 2001-657177/75.
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX Claim 1; SEQ ID NO 128319; 29pp + Sequence Listing; German.
XX This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
XX Query Match 12.9%; Score 9.4; DB 1; Length 13;
XX Best Local Similarity 76.9%; Pred. No. 1.3e+03;
XX Matches 10; Conservative 1; Mismatches 2; Indels 0; Gaps 0;
XX
QY 941 TCATTGGTTTAAAT 953
DB 1 TCGTTAGTTTAAAT 13
||| ||| ||| ||| |||
||| ||| ||| ||| |||

RESULT 1978
ABF31786
ID ABF31786 standard; DNA; 13 BP.
XX AC ABF31786;
XX 21-FEB-2002 (first entry)
XX Oligonucleotide SEQ ID NO 131783 for detecting SNP TSC0032896.
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX Homo sapiens.
XX WO200177384-A2.
XX 18-OCT-2001.
XX
DE 21-FEB-2002 (first entry)
DE Oligonucleotide SEQ ID NO 131783 for detecting SNP TSC0032896.
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX Homo sapiens.
XX WO200177384-A2.
XX 18-OCT-2001.
XX
PT Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX Claim 1; SEQ ID NO 131783; 29pp + Sequence Listing; German.
XX This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
XX Query Match 12.9%; Score 9.4; DB 1; Length 13;
XX Best Local Similarity 76.9%; Pred. No. 1.3e+03;
XX Matches 10; Conservative 1; Mismatches 2; Indels 0; Gaps 0;
XX
QY 941 TCATTGGTTTAAAT 953
DB 1 TCGTTAGTTTAAAT 13
||| ||| ||| ||| |||
||| ||| ||| ||| |||

RESULT 1979
ABF33102
ID ABF33102 standard; DNA; 13 BP.
XX AC ABF33102;
XX 21-FEB-2002 (first entry)
XX Oligonucleotide SEQ ID NO 133099 for detecting SNP TSC0033208.
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX Homo sapiens.
XX WO200177384-A2.
XX 18-OCT-2001.
XX
DE 21-FEB-2002 (first entry)
DE Oligonucleotide SEQ ID NO 133099 for detecting SNP TSC0033208.
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX Homo sapiens.
XX WO200177384-A2.
XX 18-OCT-2001.
XX
PI Olek A, Piepenbrock C, Berlin K;
WPI; 2001-657177/75.
PT Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX Claim 1; SEQ ID NO 131783; 29pp + Sequence Listing; German.
XX This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
XX Query Match 12.9%; Score 9.4; DB 1; Length 13;
XX Best Local Similarity 90.3%; Pred. No. 1.3e+03;
XX Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
XX
QY 940 TTCATTGGTTT 950
DB 2 TTCATTGGTTT 12
||| ||| ||| ||| |||
||| ||| ||| ||| |||

RESULT 1979
ABF33102
ID ABF33102 standard; DNA; 13 BP.
XX AC ABF33102;
XX 21-FEB-2002 (first entry)
XX Oligonucleotide SEQ ID NO 133099 for detecting SNP TSC0033208.
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX Homo sapiens.
XX WO200177384-A2.
XX 18-OCT-2001.
XX
PI Olek A, Piepenbrock C, Berlin K;
WPI; 2001-657177/75.
PT Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.

```

```
PT methylation status.
XX Claim 1; SEQ ID NO 133099; 29pp + Sequence Listing; German.
PS
XX
XX This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 13 BP; 0 A; 1 C; 3 G; 8 T; 0 U; 1 Other;
Query Match 12.9%; Score 9.4; DB 1; Length 13;
Best Local Similarity 76.5%; Pred. No. 1.3e+03;
Matches 10; Conservative 1; Mismatches 2; Indels 0; Gaps 0;
QY 906 CATTTCCTTGGT 918
DB 1 CGTTTTTTGGY 13
RESULT 1980
ABF35870
ID ABF35870 standard; DNA; 13 BP.
XX
AC ABF35870;
XX
XX 21-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 135867 for detecting SNP TSC0033928.
XX
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
XX Homo sapiens.
XX
XX WO200177384-A2.
XX
XX 18-OCT-2001.
XX
XX 06-APR-2001; 2001WO-IB000713.
XX
XX 07-APR-2000; 2000DE-01019173.
XX
XX (EPIG-) EPIGENOMICS AG.
XX
XX Olek A, Piepenbrock C, Berlin K;
XX
XX WPI; 2001-657177/75.
XX
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
XX designed to detect single-nucleotide polymorphisms and cytosine
XX methylation status.
XX
XX Claim 1; SEQ ID NO 135867; 29pp + Sequence Listing; German.
XX
XX This invention describes novel oligonucleotide primers or peptide nucleic
XX acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
XX and cytosine methylation status in chemically pretreated genomic DNA. The
XX oligonucleotides are used for diagnosis and/or prognosis of cancer and a
XX range of diseases including immune system, gastrointestinal, respiratory,
XX central nervous system, cardiovascular and metabolic disorders. The
XX oligomers are also used for detecting cell type differentiation. ABC00010
XX -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
XX represent the oligomers described in the invention. NOTE: The sequence
XX data for this patent did not form part of the printed specification, but
XX was obtained in electronic format from WIPO at
XX ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 13 BP; 0 A; 1 C; 3 G; 8 T; 0 U; 1 Other;
Query Match 12.9%; Score 9.4; DB 1; Length 13;
Best Local Similarity 76.5%; Pred. No. 1.3e+03;
Matches 10; Conservative 1; Mismatches 2; Indels 0; Gaps 0;
QY 906 CATTTCCTTGGT 918
DB 1 CGTTTTTTGGY 13
RESULT 1981
ABF69351/C
ID ABF69351 standard; DNA; 13 BP.
XX
AC ABF69351;
XX
XX 22-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 169348 for detecting SNP TSC0042311.
XX
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
XX Homo sapiens.
XX
XX WO200177384-A2.
XX
XX 18-OCT-2001.
XX
XX 06-APR-2001; 2001WO-IB000713.
XX
XX 07-APR-2000; 2000DE-01019173.
XX
XX (EPIG-) EPIGENOMICS AG.
XX
XX Olek A, Piepenbrock C, Berlin K;
XX
XX WPI; 2001-657177/75.
XX
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
XX designed to detect single-nucleotide polymorphisms and cytosine
XX methylation status.
XX
XX Claim 1; SEQ ID NO 169348; 29pp + Sequence Listing; German.
XX
XX This invention describes novel oligonucleotide primers or peptide nucleic
XX acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
XX and cytosine methylation status in chemically pretreated genomic DNA. The
XX oligonucleotides are used for diagnosis and/or prognosis of cancer and a
XX range of diseases including immune system, gastrointestinal, respiratory,
XX central nervous system, cardiovascular and metabolic disorders. The
XX oligomers are also used for detecting cell type differentiation. ABC00010
XX -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
XX represent the oligomers described in the invention. NOTE: The sequence
XX data for this patent did not form part of the printed specification, but
XX was obtained in electronic format from WIPO at
XX ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 13 BP; 10 A; 2 C; 0 G; 1 T; 0 U; 0 Other;
Query Match 12.9%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 1.3e+03;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
QY 908 TTTTCTTGGT 918
DB 13 TTTTCTTGGT 3
```

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RESULT 1982
ABF71904
ID ABF71904 standard; DNA; 13 BP.
XX
XX ABF71904;
AC ABF71904;
XX
XX 22-FEB-2002 (first entry)
XX
XX Oligonucleotide SEQ ID NO 171901 for detecting SNP TSC0042851.
XX
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
XX Homo sapiens.
OS
XX WO200177384-A2.
PN
XX 18-OCT-2001.
PD
XX
XX 22-FEB-2002 (first entry)
DT
XX
XX Oligonucleotide SEQ ID NO 171901 for detecting SNP TSC0042851.
XX
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
XX Homo sapiens.
OS
XX WO200177384-A2.
PN
XX 18-OCT-2001.
PD
XX
XX 06-APR-2001; 2001WO-IB000713.
PF
XX
XX 07-APR-2000; 2000DE-01019173.
PR
XX (EPIG-) EPIGENOMICS AG.
PA
XX Olek A, Piepenbrock C, Berlin K;
PI
XX WPI; 2001-657177/75.
DR
XX
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
PT
XX
XX Claim 1; SEQ ID NO 171901; 29pp + Sequence Listing; German.
PS
XX
XX This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC9989, ABF00010-ABF9989, ABH00010-ABH9989 and AB100010-AB182073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
XX Sequence 13 BP; 5 A; 0 C; 3 G; 4 T; 0 U; 1 Other;
XX
XX This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC9989, ABF00010-ABF9989, ABH00010-ABH9989 and AB100010-AB182073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
XX Sequence 13 BP; 5 A; 0 C; 3 G; 4 T; 0 U; 1 Other;
XX
XX Query Match 12.9%; Score 9.4; DB 1; Length 13;
Best Local Similarity 76.9%; Pred. No. 1.3e+03;
Matches 10; Conservative 1; Mismatches 2; Indels 0; Gaps 0;
XX
XX 943 ATTGGTTTAATGT 955
QY
XX 1 ATAGGTATAATGY 13
DB
XX
XX RESULT 1983
ABF97555
ID ABF97555 standard; DNA; 13 BP.
XX
XX ABF97555;
AC ABF97555;
XX
XX 22-FEB-2002 (first entry)
DT
XX
XX Oligonucleotide SEQ ID NO 197552 for detecting SNP TSC0048617.
XX
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
XX Homo sapiens.
OS
XX WO200177384-A2.
PN
XX 18-OCT-2001.
PD
XX
XX 06-APR-2001; 2001WO-IB000713.
PF
XX
XX 07-APR-2000; 2000DE-01019173.
PR
XX (EPIG-) EPIGENOMICS AG.
PA
XX Olek A, Piepenbrock C, Berlin K;
PI
XX WPI; 2001-657177/75.
DR
XX
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
PT
XX
XX Claim 1; SEQ ID NO 197552; 29pp + Sequence Listing; German.
PS
XX
XX This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC9989, ABF00010-ABF9989, ABH00010-ABH9989 and AB100010-AB182073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
XX Sequence 13 BP; 3 A; 3 C; 0 G; 7 T; 0 U; 0 Other;
XX
XX Query Match 12.9%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 1.3e+03;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
XX
XX 905 TCATTTCCTTT 915
QY
XX 2 TCATTTCCTTT 12
DB
XX
XX RESULT 1984
ABF75625/c
ID ABF75625 standard; DNA; 13 BP.
XX
XX ABF75625;
AC ABF75625;
XX
XX 22-FEB-2002 (first entry)
DT
XX
XX Oligonucleotide SEQ ID NO 175622 for detecting SNP TSC0043631.
XX
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
XX Homo sapiens.
OS
XX WO200177384-A2.
PN
XX 18-OCT-2001.
PD
XX
XX 06-APR-2001; 2001WO-IB000713.
PF
XX
XX 07-APR-2000; 2000DE-01019173.
PR
XX
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
```

PA (EPIG-) EPIGENOMICS AG.
 XX Olek A, Piepenbrock C, Berlin K;
 XX WPI; 2001-657177/75.
 XX Set of oligonucleotides, useful for diagnosis and cell typing, is
 PT designed to detect single-nucleotide polymorphisms and cytosine
 PT methylation status.
 XX Claim 1; SEQ ID NO 175622; 29pp + Sequence Listing; German.
 XX This invention describes novel oligonucleotide primers or peptide nucleic
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
 CC and cytosine methylation status in chemically pretreated genomic DNA. The
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
 CC range of diseases including immune system, gastrointestinal, respiratory,
 CC central nervous system, cardiovascular and metabolic disorders. The
 CC oligomers are also used for detecting cell type differentiation. ABC00010
 CC -ABC9989, ABF00010-ABF9989, ABH00010-ABH9989 and AB100010-AB182073
 CC represent the oligomers described in the invention. NOTE: The sequence
 CC data for this patent did not form part of the printed specification, but
 CC was obtained in electronic format from WIPO at
 CC ftp.wipo.int/pub/published_pct_sequences
 XX Sequence 13 BP; 8 A; 3 C; 0 G; 1 T; 0 U; 1 Other;
 XX Query Match 12.9%; Score 9.4; DB 1; Length 13;
 XX Best Local Similarity 76.9%; Pred. No. 1.3e+03;
 XX Matches 10; Conservative 1; Mismatches 2; Indels 0; Gaps 0;
 QY 946 GCTTTAATGATC 958
 DB 13 GCTTTAATGTTT 1
 RESULT 1985
 ABH26486
 ID ABH26486 standard; DNA; 13 BP.
 XX AC ABH26486;
 XX 22-FEB-2002 (first entry)
 XX Oligonucleotide SEQ ID NO 226463 for detecting SNP TSC0055199.
 XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
 XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
 XX central nervous system; gastrointestinal; respiratory; immune; metabolic.
 XX Homo sapiens.
 XX WO200177384-A2.
 XX 18-OCT-2001.
 XX 06-APR-2001; 2001WO-IB000713.
 XX 07-APR-2000; 2000DE-01019173.
 XX (EPIG-) EPIGENOMICS AG.
 XX Olek A, Piepenbrock C, Berlin K;
 XX WPI; 2001-657177/75.
 XX Set of oligonucleotides, useful for diagnosis and cell typing, is
 PT designed to detect single-nucleotide polymorphisms and cytosine
 PT methylation status.
 XX Claim 1; SEQ ID NO 226463; 29pp + Sequence Listing; German.
 XX This invention describes novel oligonucleotide primers or peptide nucleic
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
 CC and cytosine methylation status in chemically pretreated genomic DNA. The
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
 CC range of diseases including immune system, gastrointestinal, respiratory,
 CC central nervous system, cardiovascular and metabolic disorders. The
 CC oligomers are also used for detecting cell type differentiation. ABC00010
 CC -ABC9989, ABF00010-ABF9989, ABH00010-ABH9989 and AB100010-AB182073
 CC represent the oligomers described in the invention. NOTE: The sequence
 CC data for this patent did not form part of the printed specification, but
 CC was obtained in electronic format from WIPO at
 CC ftp.wipo.int/pub/published_pct_sequences
 XX Sequence 13 BP; 8 A; 3 C; 0 G; 1 T; 0 U; 1 Other;
 XX Query Match 12.9%; Score 9.4; DB 1; Length 13;
 XX Best Local Similarity 76.9%; Pred. No. 1.3e+03;
 XX Matches 10; Conservative 1; Mismatches 2; Indels 0; Gaps 0;
 QY 946 GCTTTAATGATC 958
 DB 13 GCTTTAATGTTT 1
 RESULT 1986
 ABH27856/C
 ID ABH27856 standard; DNA; 13 BP.
 XX AC ABH27856;
 XX 22-FEB-2002 (first entry)
 XX Oligonucleotide SEQ ID NO 227833 for detecting SNP TSC0055556.
 XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
 XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
 XX central nervous system; gastrointestinal; respiratory; immune; metabolic.
 XX Homo sapiens.
 XX WO200177384-A2.
 XX 18-OCT-2001.
 XX 06-APR-2001; 2001WO-IB000713.
 XX 07-APR-2000; 2000DE-01019173.
 XX (EPIG-) EPIGENOMICS AG.
 XX Olek A, Piepenbrock C, Berlin K;
 XX WPI; 2001-657177/75.
 XX Set of oligonucleotides, useful for diagnosis and cell typing, is
 PT designed to detect single-nucleotide polymorphisms and cytosine
 PT methylation status.
 XX Claim 1; SEQ ID NO 227833; 29pp + Sequence Listing; German.
 XX This invention describes novel oligonucleotide primers or peptide nucleic
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
 CC and cytosine methylation status in chemically pretreated genomic DNA. The
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
 CC range of diseases including immune system, gastrointestinal, respiratory,
 CC central nervous system, cardiovascular and metabolic disorders. The
 CC oligomers are also used for detecting cell type differentiation. ABC00010
 CC -ABC9989, ABF00010-ABF9989, ABH00010-ABH9989 and AB100010-AB182073
 CC represent the oligomers described in the invention. NOTE: The sequence
 CC data for this patent did not form part of the printed specification, but
 CC was obtained in electronic format from WIPO at
 CC ftp.wipo.int/pub/published_pct_sequences
 XX Sequence 13 BP; 3 A; 1 C; 6 G; 2 T; 0 U; 1 Other;
 XX Query Match 12.9%; Score 9.4; DB 1; Length 13;
 XX Best Local Similarity 90.9%; Pred. No. 1.3e+03;
 XX Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
 QY 947 GTTTAATGTAT 957
 DB 1 GTTTAATGTTT 11
 RESULT 1986
 ABH27856/C
 ID ABH27856 standard; DNA; 13 BP.
 XX AC ABH27856;
 XX 22-FEB-2002 (first entry)
 XX Oligonucleotide SEQ ID NO 227833 for detecting SNP TSC0055556.
 XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
 XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
 XX central nervous system; gastrointestinal; respiratory; immune; metabolic.
 XX Homo sapiens.
 XX WO200177384-A2.
 XX 18-OCT-2001.
 XX 06-APR-2001; 2001WO-IB000713.
 XX 07-APR-2000; 2000DE-01019173.
 XX (EPIG-) EPIGENOMICS AG.
 XX Olek A, Piepenbrock C, Berlin K;
 XX WPI; 2001-657177/75.
 XX Set of oligonucleotides, useful for diagnosis and cell typing, is
 PT designed to detect single-nucleotide polymorphisms and cytosine
 PT methylation status.
 XX Claim 1; SEQ ID NO 227833; 29pp + Sequence Listing; German.
 XX This invention describes novel oligonucleotide primers or peptide nucleic
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
 CC and cytosine methylation status in chemically pretreated genomic DNA. The
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
 CC range of diseases including immune system, gastrointestinal, respiratory,
 CC central nervous system, cardiovascular and metabolic disorders. The
 CC oligomers are also used for detecting cell type differentiation. ABC00010
 CC -ABC9989, ABF00010-ABF9989, ABH00010-ABH9989 and AB100010-AB182073
 CC represent the oligomers described in the invention. NOTE: The sequence
 CC data for this patent did not form part of the printed specification, but
 CC was obtained in electronic format from WIPO at
 CC ftp.wipo.int/pub/published_pct_sequences
 XX Sequence 13 BP; 3 A; 1 C; 6 G; 2 T; 0 U; 1 Other;

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Query Match      12.9%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 1.3e+03;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 930 ATCCCTCCCTCT 940
DB 11 ATCCCTCCGCT 1

RESULT 1987
ABF78024
ID ABF78024 standard; DNA; 13 BP.
XX AC ABF78024;
XX XX
XX 22-FEB-2002 (first entry)
XX DE Oligonucleotide SEQ ID NO 178021 for detecting SNP TSC0044112.
XX KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX OS Homo sapiens.
XX PN WO200177384-A2.
XX PD 18-OCT-2001.
XX PF 06-APR-2001; 2001WO-IB000713.
XX PR 07-APR-2000; 2000DE-01019173.
XX PA (EPIG-) EPIGENOMICS AG.
XX PI Olek A, Piepenbrock C, Berlin K;
XX DR WPI; 2001-657177/75.
XX XX
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
XX PT designed to detect single-nucleotide polymorphisms and cytosine
XX PT methylation status.
XX PS Claim 1; SEQ ID NO 178021; 29pp + Sequence Listing; German.
XX XX
XX This invention describes novel oligonucleotide primers or peptide nucleic
XX CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
XX CC and cytosine methylation status in chemically pretreated genomic DNA. The
XX CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
XX CC range of diseases including immune system, gastrointestinal, respiratory,
XX CC central nervous system, cardiovascular and metabolic disorders. The
XX CC oligomers are also used for detecting cell type differentiation. ABC00010
XX CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
XX CC represent the oligomers described in the invention. NOTE: The sequence
XX CC data for this patent did not form part of the printed specification, but
XX CC was obtained in electronic format from WIPO at
XX CC ftp.wipo.int/pub/published_pct_sequences
XX XX
XX Sequence 13 BP; 5 A; 0 C; 1 G; 6 T; 0 U; 1 Other;
XX CC This invention describes novel oligonucleotide primers or peptide nucleic
XX CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
XX CC and cytosine methylation status in chemically pretreated genomic DNA. The
XX CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
XX CC range of diseases including immune system, gastrointestinal, respiratory,
XX CC central nervous system, cardiovascular and metabolic disorders. The
XX CC oligomers are also used for detecting cell type differentiation. ABC00010
XX CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
XX CC represent the oligomers described in the invention. NOTE: The sequence
XX CC data for this patent did not form part of the printed specification, but
XX CC was obtained in electronic format from WIPO at
XX CC ftp.wipo.int/pub/published_pct_sequences
XX XX
XX Query Match      12.9%; Score 9.4; DB 1; Length 13;
XX Best Local Similarity 76.9%; Pred. No. 1.3e+03;
XX Matches 10; Conservative 1; Mismatches 2; Indels 0; Gaps 0;

QY 948 TTTAATGATATCC 960
DB 1 TTTAATATATAGY 13

RESULT 1988
ABF80152/c
ID ABF80152 standard; DNA; 13 BP.

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XX AC ABF80152;
XX XX
XX 22-FEB-2002 (first entry)
XX DE Oligonucleotide SEQ ID NO 180149 for detecting SNP TSC0044601.
XX KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX OS Homo sapiens.
XX PN WO200177384-A2.
XX PD 18-OCT-2001.
XX PF 06-APR-2001; 2001WO-IB000713.
XX PR 07-APR-2000; 2000DE-01019173.
XX PA (EPIG-) EPIGENOMICS AG.
XX PI Olek A, Piepenbrock C, Berlin K;
XX DR WPI; 2001-657177/75.
XX XX
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
XX PT designed to detect single-nucleotide polymorphisms and cytosine
XX PT methylation status.
XX PS Claim 1; SEQ ID NO 180149; 29pp + Sequence Listing; German.
XX XX
XX This invention describes novel oligonucleotide primers or peptide nucleic
XX CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
XX CC and cytosine methylation status in chemically pretreated genomic DNA. The
XX CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
XX CC range of diseases including immune system, gastrointestinal, respiratory,
XX CC central nervous system, cardiovascular and metabolic disorders. The
XX CC oligomers are also used for detecting cell type differentiation. ABC00010
XX CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
XX CC represent the oligomers described in the invention. NOTE: The sequence
XX CC data for this patent did not form part of the printed specification, but
XX CC was obtained in electronic format from WIPO at
XX CC ftp.wipo.int/pub/published_pct_sequences
XX XX
XX Query Match      12.9%; Score 9.4; DB 1; Length 13;
XX Best Local Similarity 90.9%; Pred. No. 1.3e+03;
XX Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 905 TCATTTTCCTT 915
DB 13 TCATTTTCCTT 3

RESULT 1989
ABF81512
ID ABF81512 standard; DNA; 13 BP.
XX AC ABF81512;
XX XX
XX 22-FEB-2002 (first entry)
XX DE Oligonucleotide SEQ ID NO 181509 for detecting SNP TSC0044883.
XX KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX OS Homo sapiens.
XX XX

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PN WO200177384-A2.
XX
XX
PD 18-OCT-2001.
XX
XX
PF 06-APR-2001; 2001WO-IB000713.
XX
XX
PR 07-APR-2000; 2000DE-01019173.
XX
XX
PA (EPIG-) EPIGENOMICS AG.
XX
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
XX
PI WPI; 2001-657177/75.
XX
XX
PT Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
XX
PS Claim 1; SEQ ID NO 181509; 29pp + Sequence Listing; German.
XX
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC9989, ABF00010-ABF9989, ABH00010-ABH9989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
XX
SQ Sequence 13 BP; 2 A; 0 C; 2 G; 8 T; 0 U; 1 Other;
Query Match 12.9%; Score 9.4; DB 1; Length 13;
Best Local Similarity 76.9%; Pred. No. 1.3e+03;
Matches 10; Conservative 1; Mismatches 2; Indels 0; Gaps 0;
QY 938 TCTTATTGGTTT 950
DB 1 TTTTAATTGGTTT 13
RESULT 1990
ABF58535/C
ID ABF58535 standard; DNA; 13 BP.
XX
XX
AC ABF58535;
XX
XX
DT 21-FEB-2002 (first entry)
XX
XX
DE Oligonucleotide SEQ ID NO 158532 for detecting SNP TSC0039907.
XX
XX
SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
XX
OS Homo sapiens.
XX
XX
PN WO200177384-A2.
XX
XX
PD 18-OCT-2001.
XX
XX
PF 06-APR-2001; 2001WO-IB000713.
XX
XX
PR 07-APR-2000; 2000DE-01019173.
XX
XX
PA (EPIG-) EPIGENOMICS AG.
XX
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
XX
PI WPI; 2001-657177/75.
XX
XX
PT Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
XX
PS Claim 1; SEQ ID NO 158532; 29pp + Sequence Listing; German.
XX
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC9989, ABF00010-ABF9989, ABH00010-ABH9989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
XX
SQ Sequence 13 BP; 2 A; 0 C; 2 G; 8 T; 0 U; 1 Other;
Query Match 12.9%; Score 9.4; DB 1; Length 13;
Best Local Similarity 76.9%; Pred. No. 1.3e+03;
Matches 10; Conservative 1; Mismatches 2; Indels 0; Gaps 0;
QY 938 TCTTATTGGTTT 950
DB 1 TTTTAATTGGTTT 13
RESULT 1991
ABF58980/C
ID ABF58980 standard; DNA; 13 BP.
XX
XX
AC ABF58980;
XX
XX
DT 21-FEB-2002 (first entry)
XX
XX
DE Oligonucleotide SEQ ID NO 158977 for detecting SNP TSC0040030.
XX
XX
SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
XX
OS Homo sapiens.
XX
XX
PN WO200177384-A2.
XX
XX
PD 18-OCT-2001.
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PF 06-APR-2001; 2001WO-IB000713.
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PR 07-APR-2000; 2000DE-01019173.
XX
XX
PA (EPIG-) EPIGENOMICS AG.
XX
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
XX
PI WPI; 2001-657177/75.
XX
XX
PT Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
XX
PS Claim 1; SEQ ID NO 158977; 29pp + Sequence Listing; German.
XX
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC9989, ABF00010-ABF9989, ABH00010-ABH9989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
XX
SQ Sequence 13 BP; 7 A; 4 C; 0 G; 2 T; 0 U; 0 Other;
Query Match 12.9%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 1.3e+03;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
QY 940 TTCATTGGTTT 950
DB 11 TTGATTGGTTT 11
RESULT 1991
ABF58980/C
ID ABF58980 standard; DNA; 13 BP.
XX
XX
AC ABF58980;
XX
XX
DT 21-FEB-2002 (first entry)
XX
XX
DE Oligonucleotide SEQ ID NO 158977 for detecting SNP TSC0040030.
XX
XX
SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
XX
OS Homo sapiens.
XX
XX
PN WO200177384-A2.
XX
XX
PD 18-OCT-2001.
XX
XX
PF 06-APR-2001; 2001WO-IB000713.
XX
XX
PR 07-APR-2000; 2000DE-01019173.
XX
XX
PA (EPIG-) EPIGENOMICS AG.
XX
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
XX
PI WPI; 2001-657177/75.
XX
XX
PT Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
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PS Claim 1; SEQ ID NO 158977; 29pp + Sequence Listing; German.
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CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC9989, ABF00010-ABF9989, ABH00010-ABH9989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
XX
SQ Sequence 13 BP; 7 A; 4 C; 0 G; 2 T; 0 U; 0 Other;
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DE	Oligonucleotide SEQ ID NO 235462 for detecting SNP TSC0057483.
KW	SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX	peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW	central nervous system; gastrointestinal; respiratory; immune; metabolic;
OS	Homo sapiens.
XX	
PN	WO200177384-A2.
XX	
PD	18-OCT-2001.
XX	
PF	06-APR-2001; 2001WO-IB000713.
XX	
PR	07-APR-2000; 2000DE-01019173.
XX	
PA	(SPIG-) EPIGENOMICS AG.
XX	
PI	Giek A, Piepenbrock C, Berlin K;
XX	
PI	WPI; 2001-657177/75.
DR	
XX	
PT	Set of oligonucleotides, useful for diagnosis and cell typing, is
PT	designed to detect single-nucleotide polymorphisms and cytosine
PT	methylation status.
XX	
PS	Claim 1; SEQ ID NO 235462; 29pp + Sequence Listing; German.
XX	
CC	This invention describes novel oligonucleotide primers or peptide nucleic
CC	acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP).
CC	and cytosine methylation status in chemically pretreated genomic DNA. The
CC	oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC	range of diseases including immune system, gastrointestinal, respiratory,
CC	central nervous system, cardiovascular and metabolic disorders. The
CC	oligomers are also used for detecting cell type differentiation. ABCO00010
CC	-ABC99989, ABF00010-BBF99989, ABH00010-BHH99989 and ABI00010-ABI92073
CC	represent the oligomers described in the invention. NOTE: The sequence
CC	data for this patent did not form part of the printed specification, but
CC	was obtained in electronic format from WIPO at
XX	ftp.wipo.int/pub/published_pct_sequences
SQ	Sequence 13 BP; 7 A; 2 C; 0 G; 3 T; 0 U; 1 Other;
Query Match 12.9%; Score 9.4; DB 1; Length 13;	
Best Local Similarity 90.9%; Pred.No. 1.3e+03;	
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0	
Qy	943 ATTGGTTTAAAT 953
Db	13 ATTGGTTTATT 3
RESULT 1995	
ABH11307/c	
ID	ABH11307 standard; DNA; 13 BP.
XX	
AC	ABH11307;
XX	
DT	22-FEB-2002 (first entry)
XX	
DE	Oligonucleotide SEQ ID NO 211284 for detecting SNP TSC0051542.
XX	
KW	SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW	peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW	central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX	
OS	Homo sapiens.
XX	
PN	WO200177384-A2.
XX	
PD	18-OCT-2001.
XX	
PF	06-APR-2001; 2001WO-IB000713.
XX	

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PS Claim 1; SEQ ID NO 212322; 29pp + Sequence Listing; German.
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 13 BP; 7 A; 4 C; 0 G; 1 T; 0 U; 1 Other;

Query Match      12.9%; Score 9.4; DB 1; Length 13;
Best Local Similarity 76.9%; Pred. No. 1.3e+03;
Matches 10; Conservative 1; Mismatches 2; Indels 0; Gaps 0;

QY 945 TGGTTTAATGCTAT 957
DB 13 TGGTTTGTGTAY 1

RESULT 1997
ABF89075/c
ID ABF89075 standard; DNA; 13 BP.
AC ABF89075;
XX
XX 22-FEB-2002 (first entry)
DE Oligonucleotide SEQ ID NO 189072 for detecting SNP TSC0006744.
XX
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
XX Homo sapiens.
XX
XX WO200177384-A2.
XX
XX 18-OCT-2001.
XX
XX 06-APR-2001; 2001WO-IB000713.
XX
XX 07-APR-2000; 2000DE-01019173.
XX
XX (EPIG-) EPIGENOMICS AG.
XX
XX Olek A, Piepenbrock C, Berlin K;
XX
XX WPI; 2001-657177/75.
XX
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
XX designed to detect single-nucleotide polymorphisms and cytosine
XX methylation status.
XX
XX Claim 1; SEQ ID NO 189072; 29pp + Sequence Listing; German.
XX
XX This invention describes novel oligonucleotide primers or peptide nucleic
XX acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
XX and cytosine methylation status in chemically pretreated genomic DNA. The
XX oligonucleotides are used for diagnosis and/or prognosis of cancer and a
XX range of diseases including immune system, gastrointestinal, respiratory,
XX central nervous system, cardiovascular and metabolic disorders. The
XX oligomers are also used for detecting cell type differentiation. ABC00010
XX -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
XX represent the oligomers described in the invention. NOTE: The sequence
XX data for this patent did not form part of the printed specification, but
XX was obtained in electronic format from WIPO at
XX ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 13 BP; 7 A; 2 C; 0 G; 3 T; 0 U; 1 Other;

Query Match      12.9%; Score 9.4; DB 1; Length 13;
Best Local Similarity 76.9%; Pred. No. 1.3e+03;
Matches 10; Conservative 1; Mismatches 2; Indels 0; Gaps 0;

QY 946 GGTTTAATGCTATC 958
DB 13 GGTTTTATATATY 1

RESULT 1998
ABH39555/c
ID ABH39555 standard; DNA; 13 BP.
XX
XX ABH39555;
XX
XX 22-FEB-2002 (first entry)
DE Oligonucleotide SEQ ID NO 239532 for detecting SNP TSC0058433.
XX
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
XX Homo sapiens.
XX
XX WO200177384-A2.
XX
XX 18-OCT-2001.
XX
XX 06-APR-2001; 2001WO-IB000713.
XX
XX 07-APR-2000; 2000DE-01019173.
XX
XX (EPIG-) EPIGENOMICS AG.
XX
XX Olek A, Piepenbrock C, Berlin K;
XX
XX WPI; 2001-657177/75.
XX
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
XX designed to detect single-nucleotide polymorphisms and cytosine
XX methylation status.
XX
XX Claim 1; SEQ ID NO 239532; 29pp + Sequence Listing; German.
XX
XX This invention describes novel oligonucleotide primers or peptide nucleic
XX acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
XX and cytosine methylation status in chemically pretreated genomic DNA. The
XX oligonucleotides are used for diagnosis and/or prognosis of cancer and a
XX range of diseases including immune system, gastrointestinal, respiratory,
XX central nervous system, cardiovascular and metabolic disorders. The
XX oligomers are also used for detecting cell type differentiation. ABC00010
XX -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
XX represent the oligomers described in the invention. NOTE: The sequence
XX data for this patent did not form part of the printed specification, but
XX was obtained in electronic format from WIPO at
XX ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 13 BP; 7 A; 2 C; 0 G; 3 T; 0 U; 1 Other;

Query Match      12.9%; Score 9.4; DB 1; Length 13;
Best Local Similarity 76.9%; Pred. No. 1.3e+03;
Matches 10; Conservative 1; Mismatches 2; Indels 0; Gaps 0;

QY 946 GGTTTAATGCTATC 958
DB 13 GGTTTTATATATY 1
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RESULT 1999
ABF65192
ID ABF65192 standard; DNA; 13 BP.
XX
AC ABF65192;
XX
DT 22-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 165189 for detecting SNP TSC0041428.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPiG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
DR WPI; 2001-657177/75.
XX
PT Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
PS Claim 1; SEQ ID NO 165189; 29pp + Sequence Listing; German.
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABT00010-ABT82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 13 BP; 3 A; 0 C; 3 G; 6 T; 0 U; 1 Other;
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABT00010-ABT82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 13 BP; 3 A; 0 C; 3 G; 6 T; 0 U; 1 Other;
XX
Query Match 12.9%; Score 9.4; DB 1; Length 13;
Best Local Similarity 76.9%; Pred. No. 1.3e+03;
Matches 10; Conservative 1; Mismatches 2; Indels 0; Gaps 0;
Oy 946 GGTAAATGATC 958
Db 1 GGTAAAGTTT 13
XX
RESULT 2000
ABH17045/c
ID ABH17045 standard; DNA; 13 BP.
XX
AC ABH17045;
XX
XX
DT 22-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 217022 for detecting SNP TSC0052748.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPiG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
DR WPI; 2001-657177/75.
XX
PT Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
PS Claim 1; SEQ ID NO 217022; 29pp + Sequence Listing; German.
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABT00010-ABT82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 13 BP; 9 A; 3 C; 0 G; 0 T; 0 U; 1 Other;
XX
Query Match 12.9%; Score 9.4; DB 1; Length 13;
Best Local Similarity 76.9%; Pred. No. 1.3e+03;
Matches 10; Conservative 1; Mismatches 2; Indels 0; Gaps 0;
Oy 910 TTCTTTGGTCTT 922
Db 13 TTCTTTGGTCTT 1
XX
RESULT 2001
ABH45775/c
ID ABH45775 standard; DNA; 13 BP.
XX
AC ABH45775;
XX
DT 22-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 245752 for detecting SNP TSC0060032.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPiG-) EPIGENOMICS AG.
XX

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PI Olek A, Piepenbrock C, Berlin K;
 XX WPI; 2001-657177/75.
 DR
 XX Set of oligonucleotides, useful for diagnosis and cell typing, is
 PT designed to detect single-nucleotide polymorphisms and cytosine
 PT methylation status.
 XX
 PS Claim 1; SEQ ID NO 245752; 29pp + Sequence Listing; German.
 XX
 CC This invention describes novel oligonucleotide primers or peptide nucleic
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
 CC and cytosine methylation status in chemically pretreated genomic DNA. The
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
 CC range of diseases including immune system, gastrointestinal, respiratory,
 CC central nervous system, cardiovascular and metabolic disorders. The
 CC oligomers are also used for detecting cell type differentiation. ABC00010
 CC -ABF9989, ABF00010-ABF9989, ABH00010-ABH9989 and AB100010-AB182073
 CC represent the oligomers described in the invention. NOTE: The sequence
 CC data for this patent did not form part of the printed specification, but
 CC was obtained in electronic format from WIPO at
 CC ftp.wipo.int/pub/published_pct_sequences
 XX
 SQ Sequence 13 BP; 9 A; 2 C; 0 G; 1 T; 0 U; 1 Other;
 Query Match 12.9%; Score 9.4; DB 1; Length 13;
 Best Local Similarity 76.9%; Pred. No. 1.3e+03;
 Matches 10; Conservative 1; Mismatches 2; Indels 0; Gaps 0;
 OY 920 TTGCGCTTTTATC 932
 DB 13 TTGCGCTTTTATC 1
 RESULT 2002
 ABH56302/C
 ID ABH56302 standard; DNA; 13 BP.
 XX
 AC ABH56302;
 DT 22-FEB-2002 (first entry)
 DE Oligonucleotide SEQ ID NO 256279 for detecting SNP TSC0062436.
 XX
 KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
 KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
 KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
 OS Homo sapiens.
 XX
 PN WO200177384-A2.
 PD 18-OCT-2001.
 PF 06-APR-2001; 2001WO-IB000713.
 XX
 PR 07-APR-2000; 2000DE-01019173.
 PA (EPIG-) EPIGENOMICS AG.
 XX
 PI Olek A, Piepenbrock C, Berlin K;
 XX
 DR WPI; 2001-657177/75.
 XX
 CC Set of oligonucleotides, useful for diagnosis and cell typing, is
 PT designed to detect single-nucleotide polymorphisms and cytosine
 PT methylation status.
 XX
 PS Claim 1; SEQ ID NO 256279; 29pp + Sequence Listing; German.
 XX
 CC This invention describes novel oligonucleotide primers or peptide nucleic
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
 CC and cytosine methylation status in chemically pretreated genomic DNA. The
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
 CC range of diseases including immune system, gastrointestinal, respiratory,
 CC central nervous system, cardiovascular and metabolic disorders. The
 CC oligomers are also used for detecting cell type differentiation. ABC00010
 CC -ABF9989, ABF00010-ABF9989, ABH00010-ABH9989 and AB100010-AB182073
 CC represent the oligomers described in the invention. NOTE: The sequence
 CC data for this patent did not form part of the printed specification, but
 CC was obtained in electronic format from WIPO at
 CC ftp.wipo.int/pub/published_pct_sequences
 XX
 SQ Sequence 13 BP; 7 A; 0 C; 4 G; 2 T; 0 U; 0 Other;
 Query Match 12.9%; Score 9.4; DB 1; Length 13;
 Best Local Similarity 90.3%; Pred. No. 1.3e+03;
 Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
 OY 935 TCCTCTTCATT 945
 DB 12 TCCTCTTCATT 2
 RESULT 2003
 ABH60409/C
 ID ABH60409 standard; DNA; 13 BP.
 XX
 AC ABH60409;
 DT 22-FEB-2002 (first entry)
 DE Oligonucleotide SEQ ID NO 260386 for detecting SNP TSC0004827.
 XX
 KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
 KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
 KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
 OS Homo sapiens.
 XX
 PN WO200177384-A2.
 PD 18-OCT-2001.
 PF 06-APR-2001; 2001WO-IB000713.
 XX
 PR 07-APR-2000; 2000DE-01019173.
 PA (EPIG-) EPIGENOMICS AG.
 XX
 PI Olek A, Piepenbrock C, Berlin K;
 XX
 DR WPI; 2001-657177/75.
 XX
 CC Set of oligonucleotides, useful for diagnosis and cell typing, is
 PT designed to detect single-nucleotide polymorphisms and cytosine
 PT methylation status.
 XX
 PS Claim 1; SEQ ID NO 260386; 29pp + Sequence Listing; German.
 XX
 CC This invention describes novel oligonucleotide primers or peptide nucleic
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
 CC and cytosine methylation status in chemically pretreated genomic DNA. The
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
 CC range of diseases including immune system, gastrointestinal, respiratory,
 CC central nervous system, cardiovascular and metabolic disorders. The
 CC oligomers are also used for detecting cell type differentiation. ABC00010
 CC -ABF9989, ABF00010-ABF9989, ABH00010-ABH9989 and AB100010-AB182073
 CC represent the oligomers described in the invention. NOTE: The sequence
 CC data for this patent did not form part of the printed specification, but
 CC was obtained in electronic format from WIPO at
 CC ftp.wipo.int/pub/published_pct_sequences
 XX
 SQ Sequence 13 BP; 4 A; 4 C; 0 G; 4 T; 0 U; 1 Other;
 Query Match 12.9%; Score 9.4; DB 1; Length 13;

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Best Local Similarity 76.9%; Pred. No. 1.3e+03;
Matches 10; Conservative 1; Mismatches 2; Indels 0; Gaps 0;

Qy 946 GGTAAAGTATC 958
Db 13 GGAGTAAGTATY 1

RESULT 2004
ABH65132/c
ID ABH65132 standard; DNA; 13 BP.
XX AC ABH65132;
XX DT 22-FEB-2002 (first entry)
XX DE Oligonucleotide SEQ ID NO 265109 for detecting SNP TSC0064241.
XX KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX OS Homo sapiens.
XX PN WO200177384-A2.
XX PD 18-OCT-2001.
XX PF 06-APR-2001; 2001WO-IB000713.
XX PR 07-APR-2000; 2000DE-01019173.
XX PA (EPIC-) EPIGENOMICS AG.
XX PI Olek A, Piepenbrock C, Berlin K;
XX DR WPI; 2001-657177/75.
XX PT Set of oligonucleotides, useful for diagnosis and cell typing, is
XX PT designed to detect single-nucleotide polymorphisms and cytosine
XX PT methylation status.
XX PS Claim 1; SEQ ID NO 265109; 29pp + Sequence Listing; German.
XX CC This invention describes novel oligonucleotide primers or peptide nucleic
XX CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
XX CC and cytosine methylation status in chemically pretreated genomic DNA. The
XX CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
XX CC range of diseases including immune system, gastrointestinal, respiratory,
XX CC central nervous system, cardiovascular and metabolic disorders. The
XX CC oligomers are also used for detecting cell type differentiation. ABC00010
XX CC -ABC9989, ABF00010-ABF9989, ABH00010-ABH9989 and ABI00010-ABI82073
XX CC represent the oligomers described in the invention. NOTE: The sequence
XX CC data for this patent did not form part of the printed specification, but
XX CC ftp.wipo.int/pub/published_pct_sequences
XX SQ Sequence 13 BP; 6 A; 0 C; 5 G; 1 T; 0 U; 1 Other;

Query Match 12.9%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 1.3e+03;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 935 TCCTCTTCATT 945
Db 11 TCCTCTTCCTT 1

RESULT 2005
ABC42529/c
ID ABC42529 standard; DNA; 13 BP.
XX AC ABC42529;

Best Local Similarity 76.9%; Pred. No. 1.3e+03;
Matches 10; Conservative 1; Mismatches 2; Indels 0; Gaps 0;

Qy 946 GGTAAAGTATC 958
Db 13 GGAGTAAGTATY 1

RESULT 2004
ABH65132/c
ID ABH65132 standard; DNA; 13 BP.
XX AC ABH65132;
XX DT 22-FEB-2002 (first entry)
XX DE Oligonucleotide SEQ ID NO 265109 for detecting SNP TSC0064241.
XX KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX OS Homo sapiens.
XX PN WO200177384-A2.
XX PD 18-OCT-2001.
XX PF 06-APR-2001; 2001WO-IB000713.
XX PR 07-APR-2000; 2000DE-01019173.
XX PA (EPIC-) EPIGENOMICS AG.
XX PI Olek A, Piepenbrock C, Berlin K;
XX DR WPI; 2001-657177/75.
XX PT Set of oligonucleotides, useful for diagnosis and cell typing, is
XX PT designed to detect single-nucleotide polymorphisms and cytosine
XX PT methylation status.
XX PS Claim 1; SEQ ID NO 265109; 29pp + Sequence Listing; German.
XX CC This invention describes novel oligonucleotide primers or peptide nucleic
XX CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
XX CC and cytosine methylation status in chemically pretreated genomic DNA. The
XX CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
XX CC range of diseases including immune system, gastrointestinal, respiratory,
XX CC central nervous system, cardiovascular and metabolic disorders. The
XX CC oligomers are also used for detecting cell type differentiation. ABC00010
XX CC -ABC9989, ABF00010-ABF9989, ABH00010-ABH9989 and ABI00010-ABI82073
XX CC represent the oligomers described in the invention. NOTE: The sequence
XX CC data for this patent did not form part of the printed specification, but
XX CC ftp.wipo.int/pub/published_pct_sequences
XX SQ Sequence 13 BP; 6 A; 0 C; 5 G; 1 T; 0 U; 1 Other;

Query Match 12.9%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 1.3e+03;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 935 TCCTCTTCATT 945
Db 11 TCCTCTTCCTT 1

RESULT 2005
ABC42529/c
ID ABC42529 standard; DNA; 13 BP.
XX AC ABC42529;

Best Local Similarity 76.9%; Pred. No. 1.3e+03;
Matches 10; Conservative 1; Mismatches 2; Indels 0; Gaps 0;

Qy 946 GGTAAAGTATC 958
Db 13 GGAGTAAGTATY 1

RESULT 2004
ABH65132/c
ID ABH65132 standard; DNA; 13 BP.
XX AC ABH65132;
XX DT 22-FEB-2002 (first entry)
XX DE Oligonucleotide SEQ ID NO 265109 for detecting SNP TSC0064241.
XX KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX OS Homo sapiens.
XX PN WO200177384-A2.
XX PD 18-OCT-2001.
XX PF 06-APR-2001; 2001WO-IB000713.
XX PR 07-APR-2000; 2000DE-01019173.
XX PA (EPIC-) EPIGENOMICS AG.
XX PI Olek A, Piepenbrock C, Berlin K;
XX DR WPI; 2001-657177/75.
XX PT Set of oligonucleotides, useful for diagnosis and cell typing, is
XX PT designed to detect single-nucleotide polymorphisms and cytosine
XX PT methylation status.
XX PS Claim 1; SEQ ID NO 265109; 29pp + Sequence Listing; German.
XX CC This invention describes novel oligonucleotide primers or peptide nucleic
XX CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
XX CC and cytosine methylation status in chemically pretreated genomic DNA. The
XX CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
XX CC range of diseases including immune system, gastrointestinal, respiratory,
XX CC central nervous system, cardiovascular and metabolic disorders. The
XX CC oligomers are also used for detecting cell type differentiation. ABC00010
XX CC -ABC9989, ABF00010-ABF9989, ABH00010-ABH9989 and ABI00010-ABI82073
XX CC represent the oligomers described in the invention. NOTE: The sequence
XX CC data for this patent did not form part of the printed specification, but
XX CC ftp.wipo.int/pub/published_pct_sequences
XX SQ Sequence 13 BP; 10 A; 2 C; 0 G; 0 T; 0 U; 1 Other;

Query Match 12.9%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 1.3e+03;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 908 TTTTCTTTTGGT 918
Db 13 TTTTCTTTTGGT 3

RESULT 2006
ABC69634/c
ID ABC69634 standard; DNA; 13 BP.
XX AC ABC69634;
XX DT 21-FEB-2002 (first entry)
XX DE Oligonucleotide SEQ ID NO 69651 for detecting SNP TSC0018118.
XX KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX OS Homo sapiens.
XX PN WO200177384-A2.
XX AC ABC69634;
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PD 18-OCT-2001.
 XX
 PF 06-APR-2001; 2001WO-IB000713.
 XX
 PR 07-APR-2000; 2000DE-01019173.
 XX
 PA (EPIG-) EPIGENOMICS AG.
 XX
 PI Olek A, Piepenbrock C, Berlin K;
 XX
 DR WPI; 2001-657177/75.
 XX
 PT Set of oligonucleotides, useful for diagnosis and cell typing, is
 PT designed to detect single-nucleotide polymorphisms and cytosine
 PT methylation status.
 XX
 PS Claim 1; SEQ ID NO 69651; 29pp + Sequence Listing; German.
 XX
 CC This invention describes novel oligonucleotide primers or peptide nucleic
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
 CC and cytosine methylation status in chemically pretreated genomic DNA. The
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
 CC range of diseases including immune system, gastrointestinal, respiratory,
 CC central nervous system, cardiovascular and metabolic disorders. The
 CC oligomers are also used for detecting cell type differentiation. ABC00010
 CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
 CC represent the oligomers described in the invention. NOTE: The sequence
 CC data for this patent did not form part of the printed specification, but
 CC was obtained in electronic format from WIPO at
 CC ftp.wipo.int/pub/published_pct_sequences
 XX
 SQ Sequence 13 BP; 4 A; 0 C; 6 G; 3 T; 0 U; 0 Other;
 XX
 Query Match 12.9%; Score 9.4; DB 1; Length 13;
 Best Local Similarity 90.9%; Pred. No. 1.3e+03;
 Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
 XX
 QY 933 CCTCTCTTCA 943
 Db 12 CCTCTCTTCA 2
 XX
 RESULT 2007
 ABC2207/c
 ID ABC2207 standard; DNA; 13 BP.
 XX
 AC ABC2207;
 XX
 DT 20-FEB-2002 (first entry)
 XX
 DE Oligonucleotide SEQ ID NO 22224 for detecting SNP TSC0004408.
 XX
 SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
 KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
 KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
 XX
 OS Homo sapiens.
 XX
 WO200177384-A2.
 XX
 PD 18-OCT-2001.
 XX
 PF 06-APR-2001; 2001WO-IB000713.
 XX
 PR 07-APR-2000; 2000DE-01019173.
 XX
 PA (EPIG-) EPIGENOMICS AG.
 XX
 PI Olek A, Piepenbrock C, Berlin K;
 XX
 DR WPI; 2001-657177/75.
 XX
 PT Set of oligonucleotides, useful for diagnosis and cell typing, is

PT designed to detect single-nucleotide polymorphisms and cytosine
 PT methylation status.
 XX
 PS Claim 1; SEQ ID NO 22224; 29pp + Sequence Listing; German.
 XX
 CC This invention describes novel oligonucleotide primers or peptide nucleic
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
 CC and cytosine methylation status in chemically pretreated genomic DNA. The
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
 CC range of diseases including immune system, gastrointestinal, respiratory,
 CC central nervous system, cardiovascular and metabolic disorders. The
 CC oligomers are also used for detecting cell type differentiation. ABC00010
 CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
 CC represent the oligomers described in the invention. NOTE: The sequence
 CC data for this patent did not form part of the printed specification, but
 CC was obtained in electronic format from WIPO at
 CC ftp.wipo.int/pub/published_pct_sequences
 XX
 SQ Sequence 13 BP; 4 A; 4 C; 0 G; 4 T; 0 U; 1 Other;
 XX
 Query Match 12.9%; Score 9.4; DB 1; Length 13;
 Best Local Similarity 90.9%; Pred. No. 1.3e+03;
 Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
 XX
 QY 946 GGTTAATGTA 956
 Db 13 GGTTAATGTA 3
 XX
 RESULT 2008
 ABC24678/c
 ID ABC24678 standard; DNA; 13 BP.
 XX
 AC ABC24678;
 XX
 DT 20-FEB-2002 (first entry)
 XX
 DE Oligonucleotide SEQ ID NO 24695 for detecting SNP TSC0005921.
 XX
 SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
 KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
 KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
 XX
 OS Homo sapiens.
 XX
 WO200177384-A2.
 XX
 PD 18-OCT-2001.
 XX
 PF 06-APR-2001; 2001WO-IB000713.
 XX
 PR 07-APR-2000; 2000DE-01019173.
 XX
 PA (EPIG-) EPIGENOMICS AG.
 XX
 PI Olek A, Piepenbrock C, Berlin K;
 XX
 DR WPI; 2001-657177/75.
 XX
 PT Set of oligonucleotides, useful for diagnosis and cell typing, is
 PT designed to detect single-nucleotide polymorphisms and cytosine
 PT methylation status.
 XX
 PS Claim 1; SEQ ID NO 24695; 29pp + Sequence Listing; German.
 XX
 CC This invention describes novel oligonucleotide primers or peptide nucleic
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
 CC and cytosine methylation status in chemically pretreated genomic DNA. The
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
 CC range of diseases including immune system, gastrointestinal, respiratory,
 CC central nervous system, cardiovascular and metabolic disorders. The
 CC oligomers are also used for detecting cell type differentiation. ABC00010
 CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073

CC represent the oligomers described in the invention. NOTE: The sequence data for this patent did not form part of the printed specification, but was obtained in electronic format from WIPO at ftp.wipo.int/pub/published_pct_sequences

SQ Sequence 13 BP; 9 A; 0 C; 1 G; 3 T; 0 U; 0 Other;
Query Match 12.9%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 1.3e+03;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 905 TCATTTTCTTT 915

DB 13 TCATTTTATTT 3

RESULT 2009

ABC49649/c

ID ABC49649 standard; DNA; 13 BP.

XX

AC ABC49649;

XX

DT 21-FEB-2002 (first entry)

XX

DE Oligonucleotide SEQ ID NO 49666 for detecting SNP TSC0014024.

XX

XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.

XX

OS Homo sapiens.

XX

PN WO200177384-A2.

XX

PD 18-OCT-2001.

XX

PF 06-APR-2001; 2001WO-IB000713.

XX

PR 07-APR-2000; 2000DE-01019173.

XX

PA (EPIG-) EPIGENOMICS AG.

XX

PI Olek A, Piepenbrock C, Berlin K;

XX

WPI; 2001-657177/75.

XX

PT Set of oligonucleotides, useful for diagnosis and cell typing, is
designed to detect single-nucleotide polymorphisms and cytosine
methylation status.

XX

PS Claim 1; SEQ ID NO 49666; 29pp + Sequence Listing; German.

XX

CC This invention describes novel oligonucleotide primers or peptide nucleic
acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
and cytosine methylation status in chemically pretreated genomic DNA. The
oligonucleotides are used for diagnosis and/or prognosis of cancer and a
range of diseases including immune system, gastrointestinal, respiratory,
central nervous system, cardiovascular and metabolic disorders. The
oligonucleotides are also used for detecting cell type differentiation. ABC00010

CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and AB100010-AB182073

CC represent the oligomers described in the invention. NOTE: The sequence

data for this patent did not form part of the printed specification, but

was obtained in electronic format from WIPO at

ftp.wipo.int/pub/published_pct_sequences

XX

SQ Sequence 13 BP; 7 A; 3 C; 0 G; 3 T; 0 U; 0 Other;

Query Match 12.9%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 1.3e+03;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 941 TCATTTGGTTTA 951

|||||

DB 11 TAATTGGTTTA 1

RESULT 2010

ABF01571/c

ID ABF01571 standard; DNA; 13 BP.

XX

AC ABF01571;

XX

DT 21-FEB-2002 (first entry)

XX

DE Oligonucleotide SEQ ID NO 101568 for detecting SNP TSC0025295.

XX

XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.

XX

OS Homo sapiens.

XX

PN WO200177384-A2.

XX

PD 18-OCT-2001.

XX

PF 06-APR-2001; 2001WO-IB000713.

XX

PR 07-APR-2000; 2000DE-01019173.

XX

PA (EPIG-) EPIGENOMICS AG.

XX

PI Olek A, Piepenbrock C, Berlin K;

XX

WPI; 2001-657177/75.

XX

PT Set of oligonucleotides, useful for diagnosis and cell typing, is
designed to detect single-nucleotide polymorphisms and cytosine
methylation status.

XX

PS Claim 1; SEQ ID NO 101568; 29pp + Sequence Listing; German.

XX

CC This invention describes novel oligonucleotide primers or peptide nucleic
acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
and cytosine methylation status in chemically pretreated genomic DNA. The
oligonucleotides are used for diagnosis and/or prognosis of cancer and a
range of diseases including immune system, gastrointestinal, respiratory,
central nervous system, cardiovascular and metabolic disorders. The
oligonucleotides are also used for detecting cell type differentiation. ABC00010
-ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and AB100010-AB182073
represent the oligomers described in the invention. NOTE: The sequence
data for this patent did not form part of the printed specification, but
was obtained in electronic format from WIPO at
ftp.wipo.int/pub/published_pct_sequences

XX

SQ Sequence 13 BP; 9 A; 4 C; 0 G; 0 T; 0 U; 0 Other;

Query Match 12.9%; Score 9.4; DB 1; Length 13;

Best Local Similarity 90.9%; Pred. No. 1.3e+03;

Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 908 TTTTCTTTTGGT 918

|||||

DB 12 TTTTCTTTTGGT 2

RESULT 2011

ABC54212/c

ID ABC54212 standard; DNA; 13 BP.

XX

AC ABC54212;

XX

DT 21-FEB-2002 (first entry)

XX

DE Oligonucleotide SEQ ID NO 54229 for detecting SNP TSC0014889.

XX

KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX Homo sapiens.
XX WO200177384-A2.
XX 18-OCT-2001.
XX 06-APR-2001; 2001WO-IB000713.
XX 07-APR-2000; 2000DE-01019173.
XX (EPIG-) EPIGENOMICS AG.
XX Olek A, Piepenbrock C, Berlin K;
XX WPI; 2001-657177/75.
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX Claim 1; SEQ ID NO 54229; 29pp + Sequence Listing; German.
XX This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABi00010-ABi82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX Sequence 13 BP; 7 A; 0 C; 4 G; 1 T; 0 U; 1 Other;
XX Query Match 12.9%; Score 9.4; DB 1; Length 13;
XX Best Local Similarity 90.9%; Pred. No. 1.3e+03;
XX Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
XX 928 TTATCCCTCCT 938
XX 12 TTATCCCTCCT 2
XX RESULT 2012
XX ABC05643
XX ID ABC05643 standard; DNA; 13 BP.
XX AC ABC05643;
XX 20-FEB-2002 (first entry)
XX Oligonucleotide SEQ ID NO 5634 for detecting SNP TSC0001852.
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX Homo sapiens.
XX WO200177384-A2.
XX 18-OCT-2001.
XX 06-APR-2001; 2001WO-IB000713.
XX 07-APR-2000; 2000DE-01019173.

XX (EPIG-) EPIGENOMICS AG.
XX Olek A, Piepenbrock C, Berlin K;
XX WPI; 2001-657177/75.
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX Claim 1; SEQ ID NO 5634; 29pp + Sequence Listing; German.
XX This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABi00010-ABi82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX Sequence 13 BP; 3 A; 5 C; 0 G; 4 T; 0 U; 1 Other;
XX Query Match 12.9%; Score 9.4; DB 1; Length 13;
XX Best Local Similarity 90.9%; Pred. No. 1.3e+03;
XX Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
XX 930 ATCCCTCCTCT 940
XX 3 ATCCCTCCTCT 13
XX RESULT 2013
XX ABF05984/C
XX ID ABF05984 standard; DNA; 13 BP.
XX AC ABF05984;
XX 21-FEB-2002 (first entry)
XX Oligonucleotide SEQ ID NO 105981 for detecting SNP TSC0026556.
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX Homo sapiens.
XX WO200177384-A2.
XX 18-OCT-2001.
XX 06-APR-2001; 2001WO-IB000713.
XX 07-APR-2000; 2000DE-01019173.
XX (EPIG-) EPIGENOMICS AG.
XX Olek A, Piepenbrock C, Berlin K;
XX WPI; 2001-657177/75.
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX Claim 1; SEQ ID NO 105981; 29pp + Sequence Listing; German.

CC	This invention describes novel oligonucleotide primers or peptide nucleic acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP) and cytosine methylation status in chemically pretreated genomic DNA. The oligonucleotides are used for diagnosis and/or prognosis of cancer and a range of diseases including immune system, gastrointestinal, respiratory, central nervous system, cardiovascular and metabolic disorders. The oligomers are also used for detecting cell type differentiation. ABC000010 -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073 represent the oligomers described in the invention. NOTE: The sequence data for this patent did not form part of the printed specification, but was obtained in electronic format from WIPO at ftp.wipo.int/pub/published_pct_sequences
CC	Sequence 13 BP; 7 A; 0 C; 4 G; 2 T; 0 U; 0 Other;
CC	Query Match 12.9%; Score 9.4; DB 1; Length 13;
CC	Best Local Similarity 90.9%; Pred. No. 1.3e+03;
CC	Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
QY	922 TGCCTTTTATC 932
DB	12 TACCTTTTATC 2
RESULT 2014	
ABF09665	
ID	ABF09665 standard; DNA; 13 BP.
AC	ABF09665;
XX	21-FEB-2002 (first entry)
DE	Oligonucleotide SEQ ID NO 109662 for detecting SNP TSC0027429.
XX	SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW	peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW	central nervous system; gastrointestinal; respiratory; immune; metabolic.
OS	Homo sapiens.
XX	WO200177384-A2.
XX	18-OCT-2001.
XX	06-APR-2001; 2001WO-IB000713.
XX	07-APR-2000; 2000DE-01019173.
PR	(EPIG-) EPIGENOMICS AG.
PA	Olek A, Piepenbrock C, Berlin K;
XX	WPI; 2001-657177/75.
XX	Set of oligonucleotides, useful for diagnosis and cell typing, is designed to detect single-nucleotide polymorphisms and cytosine methylation status.
PT	Claim 1; SEQ ID NO 109662; 29pp + Sequence Listing; German.
XX	This invention describes novel oligonucleotide primers or peptide nucleic acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP) and cytosine methylation status in chemically pretreated genomic DNA. The oligonucleotides are used for diagnosis and/or prognosis of cancer and a range of diseases including immune system, gastrointestinal, respiratory, central nervous system, cardiovascular and metabolic disorders. The oligomers are also used for detecting cell type differentiation. ABC000010 -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073 represent the oligomers described in the invention. NOTE: The sequence data for this patent did not form part of the printed specification, but was obtained in electronic format from WIPO at ftp.wipo.int/pub/published_pct_sequences

SQ Sequence 13 BP; 2 A; 5 C; 0 G; 6 T; 0 U; 0 Other;
 Query Match 12.9%; Score 9.4; DB 1; Length 13;
 Best Local Similarity 90.9%; Pred. No. 1.3e+03;
 Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
 QY 934 CTCCTCTTCAT 944
 Db 1 CTCCTCTTCAT 11
 RESULT 2015
 ID ABC10378/c
 XX ABC10378 standard; DNA; 13 BP.
 XX AC ABC10378;
 XX
 XX 20-FEB-2002 (first entry)
 XX
 XX Oligonucleotide SEQ ID NO 10369 for detecting SNP TSC0002630.
 DE
 XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
 KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
 KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
 XX
 XX Homo sapiens.
 OS
 XX W02000177384-A2.
 PN
 XX 18-OCT-2001.
 PD
 XX 06-APR-2001; 2001WO-IB000713.
 PF
 XX 07-APR-2000; 2000DE-01019173.
 PR
 XX (EPIG-) EPIGENOMICS AG.
 PA
 XX Olek A, Piepenbrock C, Berlin K;
 PI
 XX WPI; 2001-657177/75.
 DR
 XX
 XX Set of oligonucleotides, useful for diagnosis and cell typing, is
 PT designed to detect single-nucleotide polymorphisms and cytosine
 PT methylation status.
 XX
 XX Claim 1; SEQ ID NO 10369; 29pp + Sequence Listing; German.
 PS
 XX This invention describes novel oligonucleotide primers or peptide nucleic
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
 CC and cytosine methylation status in chemically pretreated genomic DNA. The
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
 CC range of diseases including immune system, gastrointestinal, respiratory,
 CC central nervous system, cardiovascular and metabolic disorders. The
 CC oligomers are also used for detecting cell type differentiation. ABC00010
 CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
 CC represent the oligomers described in the invention. NOTE: The sequence
 CC data for this patent did not form part of the printed specification, but
 CC was obtained in electronic format from WIPO at
 CC ftp.wipo.int/pub/published_pat_sequences
 XX
 XX Sequence 13 BP; 2 A; 1 C; 5 G; 5 T; 0 U; 0 Other;

```

Query Match      12.9%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 1.3e+03;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0

QY      956 ATCGGTACCAA 966
      | | | | | | | |
Db      11 ACCGCTACCAA 1

```

RESULT 2016
ARC86504

DR WPI; 2001-657177/75.
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX Claim 1; SEQ ID NO 63679; 29pp + Sequence Listing; German.
XX This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC9989, ABF00010-ABF9989, ABH00010-ABH9989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
XX Sequence 13 BP; 5 A; 0 C; 6 G; 2 T; 0 U; 0 Other;
SQ Query Match 12.9%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 1.3e+03;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
QY 926 TTTTATCCCTC 936
DB 13 TTTTATCCCC 3
RESULT 2019
ABC39012
ID ABC39012 standard; DNA; 13 BP.
XX
AC ABC39012;
XX
DT 20-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 39029 for detecting SNP TSC0011997.
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
FN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB0000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
WPI; 2001-657177/75.
XX
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
XX Claim 1; SEQ ID NO 39029; 29pp + Sequence Listing; German.
XX
XX This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC9989, ABF00010-ABF9989, ABH00010-ABH9989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
XX Sequence 13 BP; 5 A; 0 C; 6 G; 2 T; 0 U; 0 Other;
SQ Query Match 12.9%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 1.3e+03;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
QY 926 TTTTATCCCTC 936
DB 13 TTTTATCCCC 3

CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC9989, ABF00010-ABF9989, ABH00010-ABH9989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
XX Sequence 13 BP; 1 A; 0 C; 3 G; 9 T; 0 U; 0 Other;
SQ Query Match 12.9%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 1.3e+03;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
QY 907 ATTTTCTTTGG 917
DB 2 ATTTTCTTTGG 12
RESULT 2020
ABC63715/C
ID ABC63715 standard; DNA; 13 BP.
XX
AC ABC63715;
XX
DT 21-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 63732 for detecting SNP TSC0016828.
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
FN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB0000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
WPI; 2001-657177/75.
XX
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
XX Claim 1; SEQ ID NO 63732; 29pp + Sequence Listing; German.
XX
XX This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC9989, ABF00010-ABF9989, ABH00010-ABH9989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
XX Sequence 13 BP; 6 A; 3 C; 0 G; 4 T; 0 U; 0 Other;
SQ Query Match 12.9%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 1.3e+03;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY	946	GGTTTAATGTA	956
DB	12	GGTTTAATGTA	2
RESULT 2021			
ABC41695/c	ABC41695 standard; DNA; 13 BP.		
XX	AC	ABC41695;	
XX	AC	ABC41695;	
XX	DT	21-FEB-2002	(first entry)
XX	DE	Oligonucleotide SEQ ID NO 41712 for detecting SNP TSC0012510.	
XX	XX	SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;	
XX	XX	peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;	
XX	XX	central nervous system; gastrointestinal; respiratory; immune; metabolic.	
XX	XX	Homo sapiens.	
XX	XX	WO200177384-A2.	
XX	XX	18-OCT-2001.	
XX	XX	06-APR-2001; 2001WO-IB000713.	
XX	XX	07-APR-2000; 2000DE-01019173.	
XX	XX	(EPIC-) EPIGENOMICS AG.	
XX	XX	Olek A, Piepenbrock C, Berlin K;	
XX	XX	WPI; 2001-657177/75.	
XX	XX	Set of oligonucleotides, useful for diagnosis and cell typing, is	
XX	XX	designed to detect single-nucleotide polymorphisms and cytosine	
XX	XX	methylation status.	
XX	XX	Claim 1; SEQ ID NO 41712; 29pp + Sequence Listing; German.	
XX	XX	This invention describes novel oligonucleotide primers or peptide nucleic	
XX	XX	acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)	
XX	XX	and cytosine methylation status in chemically pretreated genomic DNA. The	
XX	XX	oligonucleotides are used for diagnosis and/or prognosis of cancer and a	
XX	XX	range of diseases including immune system, gastrointestinal, respiratory,	
XX	XX	central nervous system, cardiovascular and metabolic disorders. The	
XX	XX	oligonucleotides are also used for detecting cell type differentiation. ABC000010	
XX	XX	-ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073	
XX	XX	represent the oligomers described in the invention. NOTE: The sequence	
XX	XX	data for this patent did not form part of the printed specification, but	
XX	XX	was obtained in electronic format from WIPO at	
XX	XX	ftp.wipo.int/pub/published_pct_sequences	
XX	XX	Sequence 13 BP; 8 A; 3 C; 0 G; 1 T; 0 U; 1 Other;	
XX	XX	Query Match 12.9%; Score 9.4; DB 1; Length 13;	
XX	XX	Best Local Similarity 90.9%; Pred. No. 1.3e+03;	
XX	XX	Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;	
XX	QY	908	TTTTCTTGGT 918
XX	DB	13	TTTTTGTGGT 3
RESULT 2022			
ABC42115/c	ABC42115 standard; DNA; 13 BP.		
XX	AC	ABC42115;	
XX	AC	ABC42115;	
XX	DT	21-FEB-2002	(first entry)

PF 06-APR-2001; 2001WO-IB000713.
XX
XX
PR 07-APR-2000; 2000DE-01019173.
XX
XX (EPIG-) EPIGENOMICS AG.
XX
XX Olek A, Piepenbrock C, Berlin K;
PI
PI WPI; 2001-657177/75.
XX
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
XX Claim 1; SEQ ID NO 117076; 29pp + Sequence Listing; German.
XX
XX This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
XX Sequence 13 BP; 8 A; 5 C; 0 G; 0 T; 0 U; 0 Other;
SQ
Query Match 12.9%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 1.3e+03;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
QY 913 TTGTCGTCGTTG 923
Db 12 TTGTCGTCGTTG 2
RESULT 2024
ABF33392
ID ABF33392 standard; DNA; 13 BP.
XX
XX AC ABF33392;
XX
XX 21-FEB-2002 (first entry)
XX
XX Oligonucleotide SEQ ID NO 133389 for detecting SNP TSC0033272.
XX
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
XX Homo sapiens.
XX
XX WO200177384-A2.
XX
XX 18-OCT-2001.
XX
XX 06-APR-2001; 2001WO-IB000713.
XX
XX 07-APR-2000; 2000DE-01019173.
XX
XX (EPIG-) EPIGENOMICS AG.
XX
XX Olek A, Piepenbrock C, Berlin K;
XX
XX WPI; 2001-657177/75.
XX
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.

XX Claim 1; SEQ ID NO 133389; 29pp + Sequence Listing; German.
XX
XX This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
XX Sequence 13 BP; 4 A; 0 C; 3 G; 6 T; 0 U; 0 Other;
SQ
Query Match 12.9%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 1.3e+03;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
QY 947 GTTTAATGAT 957
Db 1 GGTTAATGAT 11
RESULT 2025
ABF36955/c
ID ABF36955 standard; DNA; 13 BP.
XX
XX AC ABF36955;
XX
XX 21-FEB-2002 (first entry)
XX
XX Oligonucleotide SEQ ID NO 136952 for detecting SNP TSC0034226.
XX
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
XX Homo sapiens.
XX
XX WO200177384-A2.
XX
XX 18-OCT-2001.
XX
XX 06-APR-2001; 2001WO-IB000713.
XX
XX 07-APR-2000; 2000DE-01019173.
XX
XX (EPIG-) EPIGENOMICS AG.
XX
XX Olek A, Piepenbrock C, Berlin K;
XX
XX WPI; 2001-657177/75.
XX
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
XX Claim 1; SEQ ID NO 136952; 29pp + Sequence Listing; German.
XX
XX This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
XX Sequence 13 BP; 4 A; 0 C; 3 G; 6 T; 0 U; 0 Other;
SQ
Query Match 12.9%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 1.3e+03;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
QY 947 GTTTAATGAT 957
Db 1 GGTTAATGAT 11
RESULT 2025
ABF36955/c
ID ABF36955 standard; DNA; 13 BP.
XX
XX AC ABF36955;
XX
XX 21-FEB-2002 (first entry)
XX
XX Oligonucleotide SEQ ID NO 136952 for detecting SNP TSC0034226.
XX
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
XX Homo sapiens.
XX
XX WO200177384-A2.
XX
XX 18-OCT-2001.
XX
XX 06-APR-2001; 2001WO-IB000713.
XX
XX 07-APR-2000; 2000DE-01019173.
XX
XX (EPIG-) EPIGENOMICS AG.
XX
XX Olek A, Piepenbrock C, Berlin K;
XX
XX WPI; 2001-657177/75.
XX
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.

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CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 13 BP; 8 A; 2 C; 0 G; 3 T; 0 U; 0 Other;
  Query Match      12.9%; Score 9.4; DB 1; Length 13;
  Best Local Similarity 90.9%; Pred. No. 1.3e+03;
  Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 947 GTTAAATGAT 957
Db 12 GTTATTGTAT 2
  ||||| |||||

RESULT 2026
ABF67683
ID ABF67683 standard; DNA; 13 BP.
XX
AC ABF67683;
XX
XX 22-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 167680 for detecting SNP TSC0041967.
XX
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
XX Homo sapiens.
XX
XX WO200177384-A2.
XX
XX 18-OCT-2001.
XX
XX 06-APR-2001; 2001WO-IB000713.
XX
XX 07-APR-2000; 2000DE-01019173.
XX
XX (EPIG-) EPIGENOMICS AG.
XX
XX Olek A, Piepenbrock C, Berlin K;
XX
XX WPI; 2001-657177/75.
XX
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
XX designed to detect single-nucleotide polymorphisms and cytosine
XX methylation status.
XX
XX Claim 1; SEQ ID NO 167680; 29pp + Sequence Listing; German.
XX
XX This invention describes novel oligonucleotide primers or peptide nucleic
XX acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
XX and cytosine methylation status in chemically pretreated genomic DNA. The
XX oligonucleotides are used for diagnosis and/or prognosis of cancer and a
XX range of diseases including immune system, gastrointestinal, respiratory,
XX central nervous system, cardiovascular and metabolic disorders. The
XX oligomers are also used for detecting cell type differentiation. ABC00010
XX -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and AB100010-AB182073
XX represent the oligomers described in the invention. NOTE: The sequence
XX data for this patent did not form part of the printed specification, but
XX was obtained in electronic format from WIPO at
XX ftp.wipo.int/pub/published_pct_sequences
XX
XX Sequence 13 BP; 4 A; 5 C; 0 G; 3 T; 0 U; 1 Other;
  Query Match      12.9%; Score 9.4; DB 1; Length 13;
  Best Local Similarity 90.9%; Pred. No. 1.3e+03;
  Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 957 TCGCTACCAAC 967
Db 3 TCACCTACCAAC 13
  ||||| |||||

RESULT 2027
ABF43101/C
ID ABF43101 standard; DNA; 13 BP.
XX
AC ABF43101;
XX
XX 21-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 143098 for detecting SNP TSC0035891.
XX
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
XX Homo sapiens.
XX
XX WO200177384-A2.
XX
XX 18-OCT-2001.
XX
XX 06-APR-2001; 2001WO-IB000713.
XX
XX 07-APR-2000; 2000DE-01019173.
XX
XX (EPIG-) EPIGENOMICS AG.
XX
XX Olek A, Piepenbrock C, Berlin K;
XX
XX WPI; 2001-657177/75.
XX
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
XX designed to detect single-nucleotide polymorphisms and cytosine
XX methylation status.
XX
XX Claim 1; SEQ ID NO 143098; 29pp + Sequence Listing; German.
XX
XX This invention describes novel oligonucleotide primers or peptide nucleic
XX acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
XX and cytosine methylation status in chemically pretreated genomic DNA. The
XX oligonucleotides are used for diagnosis and/or prognosis of cancer and a
XX range of diseases including immune system, gastrointestinal, respiratory,
XX central nervous system, cardiovascular and metabolic disorders. The
XX oligomers are also used for detecting cell type differentiation. ABC00010
XX -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and AB100010-AB182073
XX represent the oligomers described in the invention. NOTE: The sequence
XX data for this patent did not form part of the printed specification, but
XX was obtained in electronic format from WIPO at
XX ftp.wipo.int/pub/published_pct_sequences
XX
XX Sequence 13 BP; 9 A; 4 C; 0 G; 0 T; 0 U; 0 Other;
  Query Match      12.9%; Score 9.4; DB 1; Length 13;
  Best Local Similarity 90.9%; Pred. No. 1.3e+03;
  Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 913 TTGTGCTTTTG 923
Db 13 TTGTGCTTTTG 3
  ||||| |||||

RESULT 2028
ABF93304
ID ABF93304 standard; DNA; 13 BP.
XX
AC ABF93304;
XX
XX 22-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 193301 for detecting SNP TSC0047559.
XX
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;

```

KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
 XX Homo sapiens.
 XX WO200177384-A2.
 XX 18-OCT-2001.
 XX 06-APR-2001; 2001WO-IB0000713.
 XX 07-APR-2000; 2000DE-01019173.
 XX (EPIG-) EPIGENOMICS AG.
 XX Olek A, Piepenbrock C, Berlin K;
 XX WPI; 2001-657177/75.
 XX Set of oligonucleotides, useful for diagnosis and cell typing, is
 PT designed to detect single-nucleotide polymorphisms and cytosine
 PT methylation status.
 XX Claim 1; SEQ ID NO 193301; 29pp + Sequence Listing; German.
 XX This invention describes novel oligonucleotide primers or peptide nucleic
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
 CC and cytosine methylation status in chemically pretreated genomic DNA. The
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
 CC range of diseases including immune system, gastrointestinal, respiratory,
 CC central nervous system, cardiovascular and metabolic disorders. The
 CC oligomers are also used for detecting cell type differentiation. ABC00010
 CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and AB100010-AB182073
 CC represent the oligomers described in the invention. NOTE: The sequence
 CC data for this patent did not form part of the printed specification, but
 CC was obtained in electronic format from WIPO at
 CC ftp.wipo.int/pub/published_pct_sequences
 XX
 SQ Sequence 13 BP; 3 A; 0 C; 3 G; 6 T; 0 U; 1 Other;
 Query Match 12.9%; Score 9.4; DB 1; Length 13;
 Best Local Similarity 90.9%; Pred. No. 1.3e+03;
 Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
 QY 947 GTTAAATGAT 957
 Db 1 GTTAAATGAT 11
 RESULT 2029
 ABF69697/c
 ID ABF69697 standard; DNA; 13 BP.
 XX
 AC ABF69697;
 XX
 DT 22-FEB-2002 (first entry)
 XX
 DE Oligonucleotide SEQ ID NO 169694 for detecting SNP TSC0004777.
 XX
 KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
 KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
 KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
 XX
 OS Homo sapiens.
 XX
 FN WO200177384-A2.
 XX
 PD 18-OCT-2001.
 XX
 PF 06-APR-2001; 2001WO-IB0000713.
 XX
 PR 07-APR-2000; 2000DE-01019173.
 XX
 PA (EPIG-) EPIGENOMICS AG.

XX Olek A, Piepenbrock C, Berlin K;
 XX WPI; 2001-657177/75.
 XX Set of oligonucleotides, useful for diagnosis and cell typing, is
 PT designed to detect single-nucleotide polymorphisms and cytosine
 PT methylation status.
 XX Claim 1; SEQ ID NO 169694; 29pp + Sequence Listing; German.
 XX This invention describes novel oligonucleotide primers or peptide nucleic
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
 CC and cytosine methylation status in chemically pretreated genomic DNA. The
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
 CC range of diseases including immune system, gastrointestinal, respiratory,
 CC central nervous system, cardiovascular and metabolic disorders. The
 CC oligomers are also used for detecting cell type differentiation. ABC00010
 CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and AB100010-AB182073
 CC represent the oligomers described in the invention. NOTE: The sequence
 CC data for this patent did not form part of the printed specification, but
 CC was obtained in electronic format from WIPO at
 CC ftp.wipo.int/pub/published_pct_sequences
 XX
 SQ Sequence 13 BP; 5 A; 6 C; 0 G; 2 T; 0 U; 0 Other;
 Query Match 12.9%; Score 9.4; DB 1; Length 13;
 Best Local Similarity 90.9%; Pred. No. 1.3e+03;
 Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
 QY 945 TGGTTTAATGCT 955
 Db 11 TGGTTTAATGCT 1
 RESULT 2030
 ABF95993
 ID ABF95993 standard; DNA; 13 BP.
 XX
 AC ABF95993;
 XX
 DT 22-FEB-2002 (first entry)
 XX
 DE Oligonucleotide SEQ ID NO 195990 for detecting SNP TSC0048213.
 XX
 KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
 KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
 KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
 XX
 OS Homo sapiens.
 XX
 FN WO200177384-A2.
 XX
 PD 18-OCT-2001.
 XX
 PF 06-APR-2001; 2001WO-IB0000713.
 XX
 PR 07-APR-2000; 2000DE-01019173.
 XX
 PA (EPIG-) EPIGENOMICS AG.
 XX
 PI Olek A, Piepenbrock C, Berlin K;
 XX
 XX WPI; 2001-657177/75.
 XX
 PT Set of oligonucleotides, useful for diagnosis and cell typing, is
 PT designed to detect single-nucleotide polymorphisms and cytosine
 PT methylation status.
 XX Claim 1; SEQ ID NO 195990; 29pp + Sequence Listing; German.
 XX This invention describes novel oligonucleotide primers or peptide nucleic
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)

CC and cytosine methylation status in chemically pretreated genomic DNA. The
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
 CC range of diseases including immune system, gastrointestinal, respiratory,
 CC central nervous system, cardiovascular and metabolic disorders. The
 CC oligomers are also used for detecting cell type differentiation. ABC00010
 CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
 CC represent the oligomers described in the invention. NOTE: The sequence
 CC data for this patent did not form part of the printed specification, but
 CC was obtained in electronic format from WIPO at
 CC ftp.wipo.int/pub/published_pct_sequences
 XX
 SQ Sequence 13 BP; 1 A; 7 C; 1 G; 4 T; 0 U; 0 Other;

Query Match 12.9%; Score 9.4; DB 1; Length 13;
 Best Local Similarity 90.9%; Pred. No. 1.3e+03;
 Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 932 CCCTCCTCTTC 942
 Db 2 CCCTCATCTTC 12
 ||||| |||||

RESULT 2031
 ABH24255/c
 ID ABH24255 standard; DNA; 13 BP.

AC ABH24255;
 XX
 DT 22-FEB-2002 (first entry)
 XX
 DE Oligonucleotide SEQ ID NO 224232 for detecting SNP TSC0054640.

XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
 XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
 XX central nervous system; gastrointestinal; respiratory; immune; metabolic.
 XX
 OS Homo sapiens.

PN WO200177384-A2.

PD 18-OCT-2001.

PF 06-APR-2001; 2001WO-IB000713.

PR 07-APR-2000; 2000DE-01019173.

PA (EPIG-) EPIGENOMICS AG.

PI Olek A, Piepenbrock C, Berlin K;

XX WPI; 2001-657177/75.

XX Set of oligonucleotides, useful for diagnosis and cell typing, is
 PT designed to detect single-nucleotide polymorphisms and cytosine
 PT methylation status.

PS Claim 1; SEQ ID NO 224232; 29pp + Sequence Listing; German.

XX This invention describes novel oligonucleotide primers or peptide nucleic
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
 CC and cytosine methylation status in chemically pretreated genomic DNA. The
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
 CC range of diseases including immune system, gastrointestinal, respiratory,
 CC central nervous system, cardiovascular and metabolic disorders. The
 CC oligomers are also used for detecting cell type differentiation. ABC00010
 CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
 CC represent the oligomers described in the invention. NOTE: The sequence
 CC data for this patent did not form part of the printed specification, but
 CC was obtained in electronic format from WIPO at
 CC ftp.wipo.int/pub/published_pct_sequences
 XX

SQ Sequence 13 BP; 7 A; 4 C; 1 G; 1 T; 0 U; 0 Other;

Query Match 12.9%; Score 9.4; DB 1; Length 13;
 Best Local Similarity 90.9%; Pred. No. 1.3e+03;
 Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 908 TTTCTTTGGT 918
 Db 12 TTTTCGTTGT 2
 ||||| |||||

RESULT 2032
 ABH00851/c
 ID ABH00851 standard; DNA; 13 BP.

AC ABH00851;

DT 22-FEB-2002 (first entry)

XX Oligonucleotide SEQ ID NO 200828 for detecting SNP TSC0049410.

XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
 XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
 XX central nervous system; gastrointestinal; respiratory; immune; metabolic.

OS Homo sapiens.

PN WO200177384-A2.

PD 18-OCT-2001.

PF 06-APR-2001; 2001WO-IB000713.

PR 07-APR-2000; 2000DE-01019173.

PA (EPIG-) EPIGENOMICS AG.

PI Olek A, Piepenbrock C, Berlin K;

XX WPI; 2001-657177/75.

XX Set of oligonucleotides, useful for diagnosis and cell typing, is
 PT designed to detect single-nucleotide polymorphisms and cytosine
 PT methylation status.

PS Claim 1; SEQ ID NO 200828; 29pp + Sequence Listing; German.

XX This invention describes novel oligonucleotide primers or peptide nucleic
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
 CC and cytosine methylation status in chemically pretreated genomic DNA. The
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
 CC range of diseases including immune system, gastrointestinal, respiratory,
 CC central nervous system, cardiovascular and metabolic disorders. The
 CC oligomers are also used for detecting cell type differentiation. ABC00010
 CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
 CC represent the oligomers described in the invention. NOTE: The sequence
 CC data for this patent did not form part of the printed specification, but
 CC was obtained in electronic format from WIPO at
 CC ftp.wipo.int/pub/published_pct_sequences
 XX

SQ Sequence 13 BP; 9 A; 2 C; 0 G; 1 T; 0 U; 1 Other;

Query Match 12.9%; Score 9.4; DB 1; Length 13;
 Best Local Similarity 90.9%; Pred. No. 1.3e+03;
 Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 940 TTTCTTTGGTT 950
 Db 12 TTTTATTGGTT 2
 ||||| |||||

RESULT 2033
 ABH26960
 ID ABH26960 standard; DNA; 13 BP.

XX


```
AC ABH26960;
XX
XX
DT 22-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 226937 for detecting SNP TSC0055323.
XX
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
XX Homo sapiens.
XX
XX WO200177384-A2.
XX
XX 18-OCT-2001.
XX
XX 06-APR-2001; 2001WO-IB000713.
XX
XX 07-APR-2000; 2000DE-01019173.
XX
XX (EPIG-) EPIGENOMICS AG.
XX
XX Olek A, Piepenbrock C, Berlin K;
XX
XX WPI; 2001-657177/75.
XX
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
XX Claim 1; SEQ ID NO 226937; 29pp + Sequence Listing; German.
XX
XX This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC9989, ABF00010-ABF9989, ABH00010-ABH9989 and AB100010-AB182073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
XX Sequence 13 BP; 4 A; 0 C; 3 G; 6 T; 0 U; 0 Other;
XX
XX This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC9989, ABF00010-ABF9989, ABH00010-ABH9989 and AB100010-AB182073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
XX Sequence 13 BP; 4 A; 0 C; 3 G; 6 T; 0 U; 0 Other;
XX
XX Query Match 12.9%; Score 9.4; DB 1; Length 13;
XX Best Local Similarity 90.9%; Pred. No. 1.3e+03;
XX Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
XX
XX QY 946 GGTTTAATGTA 956
XX | | | | | | | |
XX 1 GTTTAATGTA 11
XX
XX RESULT 2034
XX ABF77162
XX ID ABF77162 standard; DNA; 13 BP.
XX
XX AC ABF77162;
XX
XX 22-FEB-2002 (first entry)
XX
XX Oligonucleotide SEQ ID NO 177159 for detecting SNP TSC0009928.
XX
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
XX Homo sapiens.
XX
XX WO200177384-A2.
XX
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XX 18-OCT-2001.
XX
XX 06-APR-2001; 2001WO-IB000713.
XX
XX 07-APR-2000; 2000DE-01019173.
XX
XX (EPIG-) EPIGENOMICS AG.
XX
XX Olek A, Piepenbrock C, Berlin K;
XX
XX WPI; 2001-657177/75.
XX
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
XX Claim 1; SEQ ID NO 177159; 29pp + Sequence Listing; German.
XX
XX This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC9989, ABF00010-ABF9989, ABH00010-ABH9989 and AB100010-AB182073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
XX Sequence 13 BP; 4 A; 0 C; 2 G; 6 T; 0 U; 1 Other;
XX
XX Query Match 12.9%; Score 9.4; DB 1; Length 13;
XX Best Local Similarity 76.9%; Pred. No. 1.3e+03;
XX Matches 10; Conservative 1; Mismatches 2; Indels 0; Gaps 0;
XX
XX QY 948 TTTAATGATCGC 960
XX | | | | | | | |
XX 1 TTTAATATGCGY 13
XX
XX Db
XX
XX RESULT 2035
XX ABH27350
XX ID ABH27350 standard; DNA; 13 BP.
XX
XX AC ABH27350;
XX
XX 22-FEB-2002 (first entry)
XX
XX Oligonucleotide SEQ ID NO 227327 for detecting SNP TSC0004949.
XX
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
XX Homo sapiens.
XX
XX WO200177384-A2.
XX
XX 18-OCT-2001.
XX
XX 06-APR-2001; 2001WO-IB000713.
XX
XX 07-APR-2000; 2000DE-01019173.
XX
XX (EPIG-) EPIGENOMICS AG.
XX
XX Olek A, Piepenbrock C, Berlin K;
XX
XX WPI; 2001-657177/75.
XX
```

PT Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.

XX Claim 1; SEQ ID NO 227327; 29pp + Sequence Listing; German.

XX This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences

XX Sequence 13 BP; 3 A; 0 C; 2 G; 7 T; 0 U; 1 Other;

Query Match 12.9%; Score 9.4; DB 1; Length 13;
Best Local Similarity 76.9%; Pred. No. 1.3e+03;
Matches 10; Conservative 1; Mismatches 2; Indels 0; Gaps 0;

QY 945 TGGTTTAATGCTAT 957

Db 1 TGGTTTATTATAT 13

RESULT 2036

ABH02535
ID ABH02535 standard; DNA; 13 BP.

XX AC ABH02535;

XX 22-FEB-2002 (first entry)

DE Oligonucleotide SEQ ID NO 202512 for detecting SNP TSC0049776.

XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.

XX Homo sapiens.

XX WO200177384-A2.

XX 18-OCT-2001.

XX 06-APR-2001; 2001WO-IB000713.

XX 07-APR-2000; 2000DE-01019173.

XX (EPIG-) EPICENOMICS AG.

PI Olek A, Piepenbrock C, Berlin K;

XX WPI; 2001-657177/75.

PT Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.

XX Claim 1; SEQ ID NO 202512; 29pp + Sequence Listing; German.

XX This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010

CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences

XX Sequence 13 BP; 1 A; 6 C; 0 G; 6 T; 0 U; 0 Other;

Query Match 12.9%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 1.3e+03;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 932 CCTCTCTCTTC 942

Db 2 CTCTCTCTTC 12

RESULT 2037

ABH27852/C

ID ABH27852 standard; DNA; 13 BP.

XX AC ABH27852;

XX 22-FEB-2002 (first entry)

DE Oligonucleotide SEQ ID NO 227829 for detecting SNP TSC0055556.

XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.

XX Homo sapiens.

XX WO200177384-A2.

XX 18-OCT-2001.

XX 06-APR-2001; 2001WO-IB000713.

XX 07-APR-2000; 2000DE-01019173.

XX (EPIG-) EPICENOMICS AG.

PI Olek A, Piepenbrock C, Berlin K;

XX WPI; 2001-657177/75.

PT Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.

XX Claim 1; SEQ ID NO 227829; 29pp + Sequence Listing; German.

XX This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences

XX Sequence 13 BP; 3 A; 0 C; 6 G; 3 T; 0 U; 1 Other;

Query Match 12.9%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 1.3e+03;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 930 ATCCCTCTCT 940

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Db      11 ATCCCTCACT 1
        ||||| ||
RESULT 2038
ABF53194/C
ID   ABF53194 standard; DNA; 13 BP.
XX
XX   ABF53194;
XX
XX   21-FEB-2002 (first entry)
XX
XX   Oligonucleotide SEQ ID NO 153191 for detecting SNP TSC0038712.
XX
XX   SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX   peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX   central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
XX   Homo sapiens.
XX
XX   WO200177384-A2.
XX
XX   18-OCT-2001.
XX
XX   06-APR-2001; 2001WO-IB000713.
XX
XX   07-APR-2000; 2000DE-01019173.
XX
XX   (EPIC-) EPIGENOMICS AG.
XX
XX   Olek A, Piepenbrock C, Berlin K;
XX
XX   WPI; 2001-657177/75.
XX
XX   Set of oligonucleotides, useful for diagnosis and cell typing, is
XX   designed to detect single-nucleotide polymorphisms and cytosine
XX   methylation status.
XX
XX   Claim 1; SEQ ID NO 153191; 29pp + Sequence Listing; German.
XX
XX   This invention describes novel oligonucleotide primers or peptide nucleic
XX   acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
XX   and cytosine methylation status in chemically pretreated genomic DNA. The
XX   oligonucleotides are used for diagnosis and/or prognosis of cancer and a
XX   range of diseases including immune system, gastrointestinal, respiratory,
XX   central nervous system, cardiovascular and metabolic disorders. The
XX   oligomers are also used for detecting cell type differentiation. ABC00010
XX   -ABC9989, ABF00010-ABF9989, ABH00010-ABH9989 and ABT00010-ABT92073
XX   represent the oligomers described in the invention. NOTE: The sequence
XX   data for this patent did not form part of the printed specification, but
XX   was obtained in electronic format from WIPO at
XX   ftp.wipo.int/pub/published_pct_sequences
XX
XX   Claim 1; SEQ ID NO 153191; 29pp + Sequence Listing; German.
XX
XX   This invention describes novel oligonucleotide primers or peptide nucleic
XX   acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
XX   and cytosine methylation status in chemically pretreated genomic DNA. The
XX   oligonucleotides are used for diagnosis and/or prognosis of cancer and a
XX   range of diseases including immune system, gastrointestinal, respiratory,
XX   central nervous system, cardiovascular and metabolic disorders. The
XX   oligomers are also used for detecting cell type differentiation. ABC00010
XX   -ABC9989, ABF00010-ABF9989, ABH00010-ABH9989 and ABT00010-ABT92073
XX   represent the oligomers described in the invention. NOTE: The sequence
XX   data for this patent did not form part of the printed specification, but
XX   was obtained in electronic format from WIPO at
XX   ftp.wipo.int/pub/published_pct_sequences
XX
XX   Sequence 13 BP; 9 A; 0 C; 3 G; 1 T; 0 U; 0 Other;
XX
XX   Query Match      12.9%; Score 9.4; DB 1; Length 13;
XX   Best Local Similarity 90.9%; Pred. No. 1.3e+03;
XX   Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
XX
XX   Qy      918 TCTTTGCCCTT 928
XX         ||||| |||||
XX   Db      12 TCTTTGCCCTT 2
XX
XX   RESULT 2039
XX   ABF53195
XX   ID   ABF53195 standard; DNA; 13 BP.
XX
XX   AC   ABF53195;
XX
XX   21-FEB-2002 (first entry)
XX
XX   Oligonucleotide SEQ ID NO 153192 for detecting SNP TSC0038712.
XX
XX   SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX   peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX   central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
XX   Homo sapiens.
XX
XX   WO200177384-A2.
XX
XX   18-OCT-2001.
XX
XX   06-APR-2001; 2001WO-IB000713.
XX
XX   07-APR-2000; 2000DE-01019173.
XX
XX   (EPIC-) EPIGENOMICS AG.
XX
XX   Olek A, Piepenbrock C, Berlin K;
XX
XX   WPI; 2001-657177/75.
XX
XX   Set of oligonucleotides, useful for diagnosis and cell typing, is
XX   designed to detect single-nucleotide polymorphisms and cytosine
XX   methylation status.
XX
XX   Claim 1; SEQ ID NO 153192; 29pp + Sequence Listing; German.
XX
XX   This invention describes novel oligonucleotide primers or peptide nucleic
XX   acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
XX   and cytosine methylation status in chemically pretreated genomic DNA. The
XX   oligonucleotides are used for diagnosis and/or prognosis of cancer and a
XX   range of diseases including immune system, gastrointestinal, respiratory,
XX   central nervous system, cardiovascular and metabolic disorders. The
XX   oligomers are also used for detecting cell type differentiation. ABC00010
XX   -ABC9989, ABF00010-ABF9989, ABH00010-ABH9989 and ABT00010-ABT92073
XX   represent the oligomers described in the invention. NOTE: The sequence
XX   data for this patent did not form part of the printed specification, but
XX   was obtained in electronic format from WIPO at
XX   ftp.wipo.int/pub/published_pct_sequences
XX
XX   Sequence 13 BP; 9 A; 0 C; 3 G; 1 T; 0 U; 0 Other;
XX
XX   Query Match      12.9%; Score 9.4; DB 1; Length 13;
XX   Best Local Similarity 90.9%; Pred. No. 1.3e+03;
XX   Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
XX
XX   Qy      918 TCTTTGCCCTT 928
XX         ||||| |||||
XX   Db      12 TCTTTGCCCTT 2
XX
XX   RESULT 2040
XX   ABH05016
XX   ID   ABH05016 standard; DNA; 13 BP.
XX
XX   AC   ABH05016;
XX
XX   22-FEB-2002 (first entry)
XX
XX   Oligonucleotide SEQ ID NO 204993 for detecting SNP TSC0010675.
XX
XX   SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX   peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX   central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
XX   Homo sapiens.
XX
XX   WO200177384-A2.
XX
XX   18-OCT-2001.
XX
XX   06-APR-2001; 2001WO-IB000713.
XX

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PR 07-APR-2000; 2000DE-01019173.
XX (EPiG-) EPIGENOMICS AG.
XX Olek A, Piepenbrock C, Berlin K;
XX WPI; 2001-657177/75.
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX Claim 1; SEQ ID NO 204993; 29pp + Sequence Listing; German.
XX This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 13 BP; 2 A; 0 C; 4 G; 7 T; 0 U; 0 Other;
Query Match 12.9%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 1.3e+03;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
QY 941 TCATTGGTTTA 951
DB 1 TCATTGGTTTA 11
RESULT 2041
ABH05319/c
ID ABH05319 standard; DNA; 13 BP.
XX AC ABH05319;
XX 22-FEB-2002 (first entry)
DE Oligonucleotide SEQ ID NO 205296 for detecting SNP TSC0050330.
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX Homo sapiens.
XX WO200177384-A2.
XX 18-OCT-2001.
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX Claim 1; SEQ ID NO 205296; 29pp + Sequence Listing; German.

XX This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 13 BP; 6 A; 3 C; 0 G; 4 T; 0 U; 0 Other;
Query Match 12.9%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 1.3e+03;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
QY 943 ATTGGTTTAAT 953
DB 12 ATTGGTTTAAT 2
RESULT 2042
ABH08286/c
ID ABH08286 standard; DNA; 13 BP.
XX AC ABH08286;
XX 22-FEB-2002 (first entry)
DE Oligonucleotide SEQ ID NO 208263 for detecting SNP TSC0050910.
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX Homo sapiens.
XX WO200177384-A2.
XX 18-OCT-2001.
XX 06-APR-2001; 2001WO-IB000713.
XX 07-APR-2000; 2000DE-01019173.
XX (EPiG-) EPIGENOMICS AG.
XX Olek A, Piepenbrock C, Berlin K;
XX WPI; 2001-657177/75.
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX Claim 1; SEQ ID NO 208263; 29pp + Sequence Listing; German.
XX This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX

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XX SQ Sequence 13 BP; 7 A; 0 C; 5 G; 1 T; 0 U; 0 Other;
Query Match 12.9%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 1.3e+03;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 919 CTTTGCCCTTT 929
Db 11 CTTTACCTTT 1

RESULT 2043
ABF84809/c
ID ABF84809 standard; DNA; 13 BP.
XX AC ABF84809;
XX DT 22-FEB-2002 (first entry)
XX DE Oligonucleotide SEQ ID NO 184806 for detecting SNP TSC0045589.
XX SN; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX OS Homo sapiens.
XX PN WO200177384-A2.
XX PD 18-OCT-2001.
XX PF 06-APR-2001; 2001WO-IB000713.
XX PR 07-APR-2000; 2000DE-01019173.
XX PA (EPiG-) EPIGENOMICS AG.
XX PI Olek A, Piepenbrock C, Berlin K;
XX OS Homo sapiens.
XX PN WO200177384-A2.
XX PD 18-OCT-2001.
XX PF 06-APR-2001; 2001WO-IB000713.
XX PR 07-APR-2000; 2000DE-01019173.
XX PA (EPiG-) EPIGENOMICS AG.
XX PI Olek A, Piepenbrock C, Berlin K;
XX WPI; 2001-657177/75.
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
XX designed to detect single-nucleotide polymorphisms and cytosine
XX methylation status.
XX Claim 1; SEQ ID NO 184806; 29pp + Sequence Listing; German.
XX This invention describes novel oligonucleotide primers or peptide nucleic
XX acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
XX and cytosine methylation status in chemically pretreated genomic DNA. The
XX oligonucleotides are used for diagnosis and/or prognosis of cancer and a
XX range of diseases including immune system, gastrointestinal, respiratory,
XX central nervous system, cardiovascular and metabolic disorders. The
XX oligomers are also used for detecting cell type differentiation. ABC00010
XX -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
XX represent the oligomers described in the invention. NOTE: The sequence
XX data for this patent did not form part of the printed specification, but
XX was obtained in electronic format from WIPO at
XX ftp.wipo.int/pub/published_pct_sequences
XX SQ Sequence 13 BP; 5 A; 3 C; 1 G; 3 T; 0 U; 1 Other;
Query Match 12.9%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 1.3e+03;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 947 GTTTAATGTAT 957
Db 13 GTTTAATGTAT 3

RESULT 2044
```

```
ABF86652/c
XX ID ABF86652 standard; DNA; 13 BP.
XX AC ABF86652;
XX DT 22-FEB-2002 (first entry)
XX DE Oligonucleotide SEQ ID NO 186649 for detecting SNP TSC0045992.
XX SN; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX OS Homo sapiens.
XX PN WO200177384-A2.
XX PD 18-OCT-2001.
XX PF 06-APR-2001; 2001WO-IB000713.
XX PR 07-APR-2000; 2000DE-01019173.
XX PA (EPiG-) EPIGENOMICS AG.
XX PI Olek A, Piepenbrock C, Berlin K;
XX WPI; 2001-657177/75.
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
XX designed to detect single-nucleotide polymorphisms and cytosine
XX methylation status.
XX Claim 1; SEQ ID NO 186649; 29pp + Sequence Listing; German.
XX This invention describes novel oligonucleotide primers or peptide nucleic
XX acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
XX and cytosine methylation status in chemically pretreated genomic DNA. The
XX oligonucleotides are used for diagnosis and/or prognosis of cancer and a
XX range of diseases including immune system, gastrointestinal, respiratory,
XX central nervous system, cardiovascular and metabolic disorders. The
XX oligomers are also used for detecting cell type differentiation. ABC00010
XX -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
XX represent the oligomers described in the invention. NOTE: The sequence
XX data for this patent did not form part of the printed specification, but
XX was obtained in electronic format from WIPO at
XX ftp.wipo.int/pub/published_pct_sequences
XX SQ Sequence 13 BP; 4 A; 0 C; 7 G; 2 T; 0 U; 0 Other;
Query Match 12.9%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 1.3e+03;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 929 TATCCCTCCTC 939
Db 11 TCTCCCTCCTC 1

RESULT 2045
ABH12115/c
ID ABH12115 standard; DNA; 13 BP.
XX AC ABH12115;
XX DT 22-FEB-2002 (first entry)
XX DE Oligonucleotide SEQ ID NO 212092 for detecting SNP TSC0051687.
XX SN; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
```

OS Homo sapiens.
 XX WO200177384-A2.
 XX 18-OCT-2001.
 XX 06-APR-2001; 2001WO-IB000713.
 XX 07-APR-2000; 2000DE-01019173.
 XX (EPIG-) EPIGENOMICS AG.
 XX Olek A, Piepenbrock C, Berlin K;
 XX WPI; 2001-657177/75.
 XX Set of oligonucleotides, useful for diagnosis and cell typing, is
 PT designed to detect single-nucleotide polymorphisms and cytosine
 PT methylation status.
 XX Claim 1; SEQ ID NO 212092; 29pp + Sequence Listing; German.
 XX This invention describes novel oligonucleotide primers or peptide nucleic
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
 CC and cytosine methylation status in chemically pretreated genomic DNA. The
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
 CC range of diseases including immune system, gastrointestinal, respiratory,
 CC central nervous system, cardiovascular and metabolic disorders. The
 CC oligomers are also used for detecting cell type differentiation. ABC00010
 CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
 CC represent the oligomers described in the invention. NOTE: The sequence
 CC data for this patent did not form part of the printed specification, but
 CC was obtained in electronic format from WIPO at
 CC ftp.wipo.int/pub/published_pct_sequences
 XX
 XX Sequence 13 BP; 6 A; 4 C; 0 G; 2 T; 0 U; 1 Other;
 Query Match 12.9%; Score 9.4; DB 1; Length 13;
 Best Local Similarity 76.9%; Pred. NO. 1.3e+03;
 Matches 10; Conservative 1; Mismatches 2; Indels 0; Gaps 0;
 QY 943 ATTGGTTTAATG 955
 Db 13 ATTGGTTTAATG 1
 RESULT 2046
 ABF62511/C
 ID ABF62511 standard; DNA; 13 BP.
 XX AC ABF62511;
 XX 22-FEB-2002 (first entry)
 DE Oligonucleotide SEQ ID NO 162508 for detecting SNP TSC0040879.
 XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
 KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
 KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
 OS Homo sapiens.
 XX WO200177384-A2.
 XX 18-OCT-2001.
 XX 06-APR-2001; 2001WO-IB000713.
 XX 07-APR-2000; 2000DE-01019173.
 XX (EPIG-) EPIGENOMICS AG.
 XX Olek A, Piepenbrock C, Berlin K;

XX WPI; 2001-657177/75.
 XX Set of oligonucleotides, useful for diagnosis and cell typing, is
 PT designed to detect single-nucleotide polymorphisms and cytosine
 PT methylation status.
 XX Claim 1; SEQ ID NO 162508; 29pp + Sequence Listing; German.
 XX This invention describes novel oligonucleotide primers or peptide nucleic
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
 CC and cytosine methylation status in chemically pretreated genomic DNA. The
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
 CC range of diseases including immune system, gastrointestinal, respiratory,
 CC central nervous system, cardiovascular and metabolic disorders. The
 CC oligomers are also used for detecting cell type differentiation. ABC00010
 CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
 CC represent the oligomers described in the invention. NOTE: The sequence
 CC data for this patent did not form part of the printed specification, but
 CC was obtained in electronic format from WIPO at
 CC ftp.wipo.int/pub/published_pct_sequences
 XX
 XX Sequence 13 BP; 5 A; 3 C; 0 G; 5 T; 0 U; 0 Other;
 Query Match 12.9%; Score 9.4; DB 1; Length 13;
 Best Local Similarity 90.9%; Pred. NO. 1.3e+03;
 Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
 QY 943 ATTGGTTTAAT 953
 Db 12 ATTGGTTTAAT 2
 RESULT 2047
 ABH39554
 ID ABH39554 standard; DNA; 13 BP.
 XX AC ABH39554;
 XX 22-FEB-2002 (first entry)
 DE Oligonucleotide SEQ ID NO 239531 for detecting SNP TSC0059433.
 XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
 KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
 KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
 OS Homo sapiens.
 XX WO200177384-A2.
 XX 18-OCT-2001.
 XX 06-APR-2001; 2001WO-IB000713.
 XX 07-APR-2000; 2000DE-01019173.
 XX (EPIG-) EPIGENOMICS AG.
 XX Olek A, Piepenbrock C, Berlin K;
 XX WPI; 2001-657177/75.
 XX Set of oligonucleotides, useful for diagnosis and cell typing, is
 PT designed to detect single-nucleotide polymorphisms and cytosine
 PT methylation status.
 XX Claim 1; SEQ ID NO 239531; 29pp + Sequence Listing; German.
 XX This invention describes novel oligonucleotide primers or peptide nucleic
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
 CC and cytosine methylation status in chemically pretreated genomic DNA. The
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a

CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
SQ Sequence 13 BP; 3 A; 0 C; 2 G; 7 T; 0 U; 1 Other;

Query Match 12.9%; Score 9.4; DB 1; Length 13;
Best Local Similarity 76.9%; Pred. No. 1.3e+03;
Matches 10; Conservative 1; Mismatches 2; Indels 0; Gaps 0;

QY 946 GGTTAATGATC 958
Db 1 GGTTTATATATY 13

RESULT 2048
ABF65320
ID ABF65320 standard; DNA; 13 BP.
XX
AC ABF65320;
XX
DT 22-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 165317 for detecting SNP TSC0041464.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
PI WPI; 2001-657177/75.
XX
PT Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
PS Claim 1; SEQ ID NO 165317; 29pp + Sequence Listing; German.
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
SQ Sequence 13 BP; 4 A; 0 C; 3 G; 6 T; 0 U; 0 Other;

Query Match 12.9%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 1.3e+03;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 908 TTTTCCTTGGT 918
Db 1 TTTTATTGGT 11

RESULT 2050
ABH16169/C
ID ABH16169 standard; DNA; 13 BP.
XX
AC ABH16169;
XX

Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 949 TTAATGATCG 959
Db 3 TTAATGATAG 13

RESULT 2049
ABH16168
ID ABH16168 standard; DNA; 13 BP.
XX
AC ABH16168;
XX
DT 22-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 216145 for detecting SNP TSC0052566.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
PI WPI; 2001-657177/75.
XX
PT Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
PS Claim 1; SEQ ID NO 216145; 29pp + Sequence Listing; German.
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 13 BP; 1 A; 0 C; 4 G; 8 T; 0 U; 0 Other;

Query Match 12.9%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 1.3e+03;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 908 TTTTCCTTGGT 918
Db 1 TTTTATTGGT 11

RESULT 2050
ABH16169/C
ID ABH16169 standard; DNA; 13 BP.
XX
AC ABH16169;
XX

PT methylation status.
XX
PS Claim 1; SEQ ID NO 248597; 29pp + Sequence Listing; German.
XX
XX This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 13 BP; 0 A; 1 C; 5 G; 7 T; 0 U; 0 Other;

Query Match 12.9%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 1.3e+03;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 908 TTTTCTTTGGT 918
Db 3 TTTTCTTTGGT 13
|||||

RESULT 2053
ABH48621/C
ID ABH48621 standard; DNA; 13 BP.
XX
AC ABH48621;
XX
XX 22-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 248598 for detecting SNP TSC0060756.
XX
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
XX Homo sapiens.
XX
XX WO200177384-A2.
XX
XX 18-OCT-2001.
XX
XX 06-APR-2001; 2001WO-IB000713.
XX
XX 07-APR-2000; 2000DE-01019173.
XX
XX (EPIG-) EPIGENOMICS AG.
XX
XX Olek A, Piepenbrock C, Berlin K;
XX
XX WPI; 2001-657177/75.
XX
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
XX Claim 1; SEQ ID NO 248598; 29pp + Sequence Listing; German.
XX
XX This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 13 BP; 0 A; 1 C; 5 G; 7 T; 0 U; 0 Other;

Query Match 12.9%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 1.3e+03;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 908 TTTTCTTTGGT 918
Db 3 TTTTCTTTGGT 13
|||||

RESULT 2053
ABH48621/C
ID ABH48621 standard; DNA; 13 BP.
XX
AC ABH48621;
XX
XX 22-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 248598 for detecting SNP TSC0060756.
XX
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
XX Homo sapiens.
XX
XX WO200177384-A2.
XX
XX 18-OCT-2001.
XX
XX 06-APR-2001; 2001WO-IB000713.
XX
XX 07-APR-2000; 2000DE-01019173.
XX
XX (EPIG-) EPIGENOMICS AG.
XX
XX Olek A, Piepenbrock C, Berlin K;
XX
XX WPI; 2001-657177/75.
XX
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
XX Claim 1; SEQ ID NO 248598; 29pp + Sequence Listing; German.
XX
XX This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 13 BP; 0 A; 1 C; 5 G; 7 T; 0 U; 0 Other;

Query Match 12.9%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 1.3e+03;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 908 TTTTCTTTGGT 918
Db 3 TTTTCTTTGGT 13
|||||

RESULT 2053
ABH48621/C
ID ABH48621 standard; DNA; 13 BP.
XX
AC ABH48621;
XX
XX 22-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 253420 for detecting SNP TSC0061816.
XX
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
XX Homo sapiens.
XX
XX WO200177384-A2.
XX
XX 18-OCT-2001.
XX
XX 06-APR-2001; 2001WO-IB000713.
XX
XX 07-APR-2000; 2000DE-01019173.
XX
XX (EPIG-) EPIGENOMICS AG.
XX
XX Olek A, Piepenbrock C, Berlin K;
XX
XX WPI; 2001-657177/75.
XX
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
XX Claim 1; SEQ ID NO 253420; 29pp + Sequence Listing; German.
XX
XX This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 13 BP; 7 A; 5 C; 1 G; 0 T; 0 U; 0 Other;

Query Match 12.9%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 1.3e+03;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 908 TTTTCTTTGGT 918
Db 11 TTTTCTTTGGT 1
|||||

RESULT 2054
ABH53443/C
ID ABH53443 standard; DNA; 13 BP.
XX
AC ABH53443;
XX
XX 22-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 253420 for detecting SNP TSC0061816.
XX
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
XX Homo sapiens.
XX
XX WO200177384-A2.
XX
XX 18-OCT-2001.
XX
XX 06-APR-2001; 2001WO-IB000713.
XX
XX 07-APR-2000; 2000DE-01019173.
XX
XX (EPIG-) EPIGENOMICS AG.
XX
XX Olek A, Piepenbrock C, Berlin K;
XX
XX WPI; 2001-657177/75.
XX
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
XX Claim 1; SEQ ID NO 253420; 29pp + Sequence Listing; German.
XX
XX This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 13 BP; 7 A; 5 C; 1 G; 0 T; 0 U; 1 Other;

Query Match 12.9%; Score 9.4; DB 1; Length 13;
Best Local Similarity 76.9%; Pred. No. 1.3e+03;
Matches 10; Conservative 1; Mismatches 2; Indels 0; Gaps 0;

Qy 907 ATTTCTTTGGTC 919
Db 13 ATTTCTTTGGT 1
|||||

```
RESULT 2055
ABH63901/c
ID ABH63901 standard; DNA; 13 BP.
XX
AC ABH63901;
XX
XX 22-FEB-2002 (first entry)
XX
XX Oligonucleotide SEQ ID NO 263878 for detecting SNP TSC0063961.
XX
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
XX Homo sapiens.
XX
XX WO200177384-A2.
XX
XX 18-OCT-2001.
XX
XX 06-APR-2001; 2001WO-IB000713.
XX
XX 07-APR-2000; 2000DE-01019173.
XX
XX (EPIC-) EPIGENOMICS AG.
XX
XX Olek A, Piepenbrock C, Berlin K;
XX
XX WPI; 2001-657177/75.
XX
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
XX designed to detect single-nucleotide polymorphisms and cytosine
XX methylation status.
XX
XX Claim 1; SEQ ID NO 264227; 29pp + Sequence Listing; German.
XX
XX This invention describes novel oligonucleotide primers or peptide nucleic
XX acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
XX and cytosine methylation status in chemically pretreated genomic DNA. The
XX oligonucleotides are used for diagnosis and/or prognosis of cancer and a
XX range of diseases including immune system, gastrointestinal, respiratory,
XX central nervous system, cardiovascular and metabolic disorders. The
XX oligomers are also used for detecting cell type differentiation. ABC00010
XX -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
XX represent the oligomers described in the invention. NOTE: The sequence
XX data for this patent did not form part of the printed specification, but
XX was obtained in electronic format from WIPO at
XX ftp.wipo.int/pub/published_pct_sequences
XX
XX Sequence 13 BP; 2 A; 0 C; 4 G; 6 T; 0 U; 1 Other;
XX
XX Query Match 12.9%; Score 9.4; DB 1; Length 13;
XX Best Local Similarity 90.9%; Pred. No. 1.3e+03;
XX Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
XX
XX QY 945 TGGTTTAATGCT 955
XX |||||
XX Db 1 TGGTGTAAATGT 11
XX
XX RESULT 2057
XX ABC92840
XX ID ABC92840 standard; DNA; 13 BP.
XX
XX AC ABC92840;
XX
XX XX 21-FEB-2002 (first entry)
XX
XX XX Oligonucleotide SEQ ID NO 92857 for detecting SNP TSC0023219.
XX
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
XX Homo sapiens.
XX
XX WO200177384-A2.
XX
XX 18-OCT-2001.
XX
XX 06-APR-2001; 2001WO-IB000713.
XX
XX 07-APR-2000; 2000DE-01019173.
XX
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
XX Homo sapiens.
XX
XX WO200177384-A2.
XX
XX 18-OCT-2001.
XX
XX 06-APR-2001; 2001WO-IB000713.
XX
XX 07-APR-2000; 2000DE-01019173.
XX
XX
```

```
RESULT 2056
ABH64250
ID ABH64250 standard; DNA; 13 BP.
XX
AC ABH64250;
XX
XX 22-FEB-2002 (first entry)
XX
XX Oligonucleotide SEQ ID NO 264227 for detecting SNP TSC0064030.
XX
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
XX Homo sapiens.
XX
XX WO200177384-A2.
XX
XX 18-OCT-2001.
XX
XX 06-APR-2001; 2001WO-IB000713.
XX
XX 07-APR-2000; 2000DE-01019173.
XX
XX
```

```
Query Match 12.9%; Score 9.4; DB 1; Length 13;
Best Local Similarity 76.9%; Pred. No. 1.3e+03;
Matches 10; Conservative 1; Mismatches 2; Indels 0; Gaps 0;

QY 907 ATTTCCTTGTC 919
|||
Db 13 AATTTTITGGTY 1

RESULT 2056
ABH64250
ID ABH64250 standard; DNA; 13 BP.
XX
AC ABH64250;
XX
XX 22-FEB-2002 (first entry)
XX
XX Oligonucleotide SEQ ID NO 264227 for detecting SNP TSC0064030.
XX
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
XX Homo sapiens.
XX
XX WO200177384-A2.
XX
XX 18-OCT-2001.
XX
XX 06-APR-2001; 2001WO-IB000713.
XX
XX 07-APR-2000; 2000DE-01019173.
XX
XX
```


Query Match 12.9%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 1.3e+03;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 947 GTTTAATGAT 957
Db 12 GTTTAATAT 2

RESULT 2060

ABC46268/c

ID ABC46268 standard; DNA; 13 BP.

XX AC ABC46268;

XX AC ABC46268;

XX 21-FEB-2002 (first entry)

XX Oligonucleotide SEQ ID NO 46285 for detecting SNP TSC0013393.

XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX Homo sapiens.

XX OS Homo sapiens.

XX FN WO200177384-A2.

XX PD 18-OCT-2001.

XX PF 06-APR-2001; 2001WO-IB000713.

XX PR 07-APR-2000; 2000DE-01019173.

XX PA (EPIG-) EPIGENOMICS AG.

XX PI Olek A, Piepenbrock C, Berlin K;

XX DR WPI; 2001-657177/75.

XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX Claim 1; SEQ ID NO 46285; 29pp + Sequence Listing; German.

CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and AB100010-AB182073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences

XX Sequence 13 BP; 4 A; 1 C; 3 G; 4 T; 0 U; 1 Other;

Query Match 12.9%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 1.3e+03;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 955 TATCGCTACCA 965

Db 11 TATCGCTATCA 1

RESULT 2061

ABC97649/c

ID ABC97649 standard; DNA; 13 BP.

XX ABC97649;
XX AC ABC97649;
XX DT 21-FEB-2002 (first entry)
XX Oligonucleotide SEQ ID NO 97666 for detecting SNP TSC0024259.
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX Homo sapiens.
XX OS Homo sapiens.
XX FN WO200177384-A2.
XX PD 18-OCT-2001.
XX PF 06-APR-2001; 2001WO-IB000713.
XX PR 07-APR-2000; 2000DE-01019173.
XX PA (EPIG-) EPIGENOMICS AG.
XX PI Olek A, Piepenbrock C, Berlin K;

XX DR WPI; 2001-657177/75.

XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.

XX Claim 1; SEQ ID NO 97666; 29pp + Sequence Listing; German.

CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and AB100010-AB182073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences

XX Sequence 13 BP; 6 A; 3 C; 0 G; 4 T; 0 U; 0 Other;

Query Match 12.9%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 1.3e+03;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 945 TCGTTTAATGCT 955

Db 13 TCGTTTAATAT 3

RESULT 2062

ABC97968/c

ID ABC97968 standard; DNA; 13 BP.

XX AC ABC97968;

XX AC ABC97968;

XX 21-FEB-2002 (first entry)

XX Oligonucleotide SEQ ID NO 97985 for detecting SNP TSC0024337.

XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX Homo sapiens.

XX WO200177384-A2.
 PT 18-OCT-2001.
 XX 06-APR-2001; 2001WO-IB0000713.
 XX 07-APR-2000; 2000DE-01019173.
 XX (EPIG-) EPIGENOMICS AG.
 XX Olek A, Piepenbrock C, Berlin K;
 XX WPI; 2001-657177/75.
 XX Set of oligonucleotides, useful for diagnosis and cell typing, is
 PT designed to detect single-nucleotide polymorphisms and cytosine
 PT methylation status.
 XX Claim 1; SEQ ID NO 23969; 29pp + Sequence Listing; German.
 XX This invention describes novel oligonucleotide primers or peptide nucleic
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
 CC and cytosine methylation status in chemically pretreated genomic DNA. The
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
 CC range of diseases including immune system, gastrointestinal, respiratory,
 CC central nervous system, cardiovascular and metabolic disorders. The
 CC oligomers are also used for detecting cell type differentiation. ABC00010
 CC -ABC9989, ABF00010-ABF9989, ABH00010-ABH9989 and ABI00010-ABI82073
 CC represent the oligomers described in the invention. NOTE: The sequence
 CC data for this patent did not form part of the printed specification, but
 CC was obtained in electronic format from WIPO at
 CC ftp.wipo.int/pub/published_pct_sequences
 XX Sequence 13 BP; 1 A; 1 C; 4 G; 6 T; 0 U; 1 Other;
 SQ Query Match 12.9%; Score 9.4; DB 1; Length 13;
 Best Local Similarity 76.9%; Pred. No. 1.3e+03;
 Matches 10; Conservative 1; Mismatches 2; Indels 0; Gaps 0;
 Qy 907 ATTTCTTTGTC 919
 Db 1 ATTTGCTTGGT 13
 RESULT 2064
 ABC23953/C
 ID ABC23953 standard; DNA; 13 BP.
 XX AC ABC23953;
 XX 20-FEB-2002 (first entry)
 DE Oligonucleotide SEQ ID NO 23970 for detecting SNP TSC0005553.
 XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
 KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
 KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
 XX Homo sapiens.
 XX WO200177384-A2.
 XX 18-OCT-2001.
 XX 06-APR-2001; 2001WO-IB0000713.
 XX 07-APR-2000; 2000DE-01019173.
 XX (EPIG-) EPIGENOMICS AG.
 XX Olek A, Piepenbrock C, Berlin K;
 XX WPI; 2001-657177/75.
 XX Set of oligonucleotides, useful for diagnosis and cell typing, is
 PT designed to detect single-nucleotide polymorphisms and cytosine
 PT methylation status.
 XX Claim 1; SEQ ID NO 23970; 29pp + Sequence Listing; German.
 XX This invention describes novel oligonucleotide primers or peptide nucleic
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
 CC and cytosine methylation status in chemically pretreated genomic DNA. The
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
 CC range of diseases including immune system, gastrointestinal, respiratory,
 CC central nervous system, cardiovascular and metabolic disorders. The
 CC oligomers are also used for detecting cell type differentiation. ABC00010
 CC -ABC9989, ABF00010-ABF9989, ABH00010-ABH9989 and ABI00010-ABI82073
 CC represent the oligomers described in the invention. NOTE: The sequence
 CC data for this patent did not form part of the printed specification, but
 CC was obtained in electronic format from WIPO at
 CC ftp.wipo.int/pub/published_pct_sequences

PN WO200177384-A2.
 XX 18-OCT-2001.
 XX 06-APR-2001; 2001WO-IB0000713.
 XX 07-APR-2000; 2000DE-01019173.
 XX (EPIG-) EPIGENOMICS AG.
 XX Olek A, Piepenbrock C, Berlin K;
 XX WPI; 2001-657177/75.
 XX Set of oligonucleotides, useful for diagnosis and cell typing, is
 PT designed to detect single-nucleotide polymorphisms and cytosine
 PT methylation status.
 XX Claim 1; SEQ ID NO 97985; 29pp + Sequence Listing; German.
 XX This invention describes novel oligonucleotide primers or peptide nucleic
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
 CC and cytosine methylation status in chemically pretreated genomic DNA. The
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
 CC range of diseases including immune system, gastrointestinal, respiratory,
 CC central nervous system, cardiovascular and metabolic disorders. The
 CC oligomers are also used for detecting cell type differentiation. ABC00010
 CC -ABC9989, ABF00010-ABF9989, ABH00010-ABH9989 and ABI00010-ABI82073
 CC represent the oligomers described in the invention. NOTE: The sequence
 CC data for this patent did not form part of the printed specification, but
 CC was obtained in electronic format from WIPO at
 CC ftp.wipo.int/pub/published_pct_sequences
 XX Sequence 13 BP; 9 A; 0 C; 1 G; 3 T; 0 U; 0 Other;
 SQ Query Match 12.9%; Score 9.4; DB 1; Length 13;
 Best Local Similarity 90.9%; Pred. No. 1.3e+03;
 Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
 Qy 905 TCATTTCTTT 915
 Db 13 TCATTTATTT 3
 RESULT 2063
 ABC23952
 ID ABC23952 standard; DNA; 13 BP.
 XX AC ABC23952;
 XX 20-FEB-2002 (first entry)
 DE Oligonucleotide SEQ ID NO 23969 for detecting SNP TSC0005553.
 XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
 KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
 KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
 XX Homo sapiens.
 XX WO200177384-A2.
 XX 18-OCT-2001.
 XX 06-APR-2001; 2001WO-IB0000713.
 XX 07-APR-2000; 2000DE-01019173.
 XX (EPIG-) EPIGENOMICS AG.
 XX Olek A, Piepenbrock C, Berlin K;
 XX WPI; 2001-657177/75.

CC oligomers are also used for detecting cell type differentiation. ABC00010
 CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and AB100010-AB182073
 CC represent the oligomers described in the invention. NOTE: The sequence
 CC data for this patent did not form part of the printed specification, but
 CC was obtained in electronic format from WIPO at
 CC ftp.wipo.int/pub/published_pct_sequences
 XX
 SQ Sequence 13 BP; 6 A; 4 C; 1 G; 1 T; 0 U; 1 Other;

Query Match 12.9%; Score 9.4; DB 1; Length 13;
 Best Local Similarity 76.9%; Pred. No. 1.3e+03;
 Matches 10; Conservative 1; Mismatches 2; Indels 0; Gaps 0;

OY 907 ATTTCCTTGGTC 919
 |||||
 Db 13 ATTTCCTTGGTY 1

RESULT 2065
 ABC50396
 ID ABC50396 standard; DNA; 13 BP.

XX ABC50396;

XX 21-FEB-2002 (first entry)

DE Oligonucleotide SEQ ID NO 50413 for detecting SNP TSC0014174.

XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
 KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
 KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
 XX
 OS Homo sapiens.

XX WO200177384-A2.

XX 18-OCT-2001.

XX 06-APR-2001; 2001WO-IB000713.

XX 07-APR-2000; 2000DE-01019173.

XX (EPIG-) EPIGENOMICS AG.

XX Olek A, Piepenbrock C, Berlin K;

XX WPI; 2001-657177/75.

XX Set of oligonucleotides, useful for diagnosis and cell typing, is
 PT designed to detect single-nucleotide polymorphisms and cytosine
 PT methylation status.

XX Claim 1; SEQ ID NO 50413; 29pp + Sequence Listing; German.

XX This invention describes novel oligonucleotide primers or peptide nucleic
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
 CC and cytosine methylation status in chemically pretreated genomic DNA. The
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
 CC range of diseases including immune system, gastrointestinal, respiratory,
 CC central nervous system, cardiovascular and metabolic disorders. The
 CC oligomers are also used for detecting cell type differentiation. ABC00010
 CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and AB100010-AB182073
 CC represent the oligomers described in the invention. NOTE: The sequence
 CC data for this patent did not form part of the printed specification, but
 CC was obtained in electronic format from WIPO at
 CC ftp.wipo.int/pub/published_pct_sequences
 XX

SQ Sequence 13 BP; 1 A; 0 C; 3 G; 9 T; 0 U; 0 Other;

Query Match 12.9%; Score 9.4; DB 1; Length 13;
 Best Local Similarity 90.9%; Pred. No. 1.3e+03;
 Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

OY 908 TTTTCTTTGGT 918
 |||||
 Db 3 TTTTATTGGT 13

RESULT 2066

ABC01572

ID ABC01572 standard; DNA; 13 BP.

XX ABC01572;

XX 20-FEB-2002 (first entry)

DE Oligonucleotide SEQ ID NO 1563 for detecting SNP TSC0000566.

XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
 KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
 KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
 XX

OS Homo sapiens.

XX WO200177384-A2.

XX 18-OCT-2001.

XX 06-APR-2001; 2001WO-IB000713.

XX 07-APR-2000; 2000DE-01019173.

XX (EPIG-) EPIGENOMICS AG.

XX Olek A, Piepenbrock C, Berlin K;

XX WPI; 2001-657177/75.

XX Set of oligonucleotides, useful for diagnosis and cell typing, is
 PT designed to detect single-nucleotide polymorphisms and cytosine
 PT methylation status.

XX Claim 1; SEQ ID NO 1563; 29pp + Sequence Listing; German.

XX This invention describes novel oligonucleotide primers or peptide nucleic
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
 CC and cytosine methylation status in chemically pretreated genomic DNA. The
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
 CC range of diseases including immune system, gastrointestinal, respiratory,
 CC central nervous system, cardiovascular and metabolic disorders. The
 CC oligomers are also used for detecting cell type differentiation. ABC00010
 CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and AB100010-AB182073
 CC represent the oligomers described in the invention. NOTE: The sequence
 CC data for this patent did not form part of the printed specification, but
 CC was obtained in electronic format from WIPO at
 CC ftp.wipo.int/pub/published_pct_sequences
 XX

SQ Sequence 13 BP; 2 A; 0 C; 5 G; 6 T; 0 U; 0 Other;

Query Match 12.9%; Score 9.4; DB 1; Length 13;
 Best Local Similarity 90.9%; Pred. No. 1.3e+03;
 Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

OY 946 GGTTTAAATGA 956

Db 1 GGTTTAAATGA 11

RESULT 2067

ABC01573/c

ID ABC01573 standard; DNA; 13 BP.

XX ABC01573;

XX 20-FEB-2002 (first entry)

XX


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PS Claim 1; SEQ ID NO 2891; 29pp + Sequence Listing; German.
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
XX ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 13 BP; 1 A; 1 C; 3 G; 8 T; 0 U; 0 Other;
    Query Match      12.9%; Score 9.4; DB 1; Length 13;
    Best Local Similarity 90.9%; Pred. No. 1.3e+03;
    Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 920 TTGCGTTTAA 930
Db 2 TTGCGTTTAA 12
|||||
|||||

RESULT 2070
ABC54128
ID ABC54128 standard; DNA; 13 BP.
XX
AC ABC54128;
XX
DT 21-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 5415 for detecting SNP TSC0014875.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
DR WPI; 2001-657177/75.
XX
PT Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
PS Claim 1; SEQ ID NO 5415; 29pp + Sequence Listing; German.
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
XX ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 13 BP; 1 A; 1 C; 3 G; 8 T; 0 U; 0 Other;
    Query Match      12.9%; Score 9.4; DB 1; Length 13;
    Best Local Similarity 90.9%; Pred. No. 1.3e+03;
    Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 920 TTGCGTTTAA 930
Db 2 TTGCGTTTAA 12
|||||
|||||

RESULT 2071
ABF04552
ID ABF04552 standard; DNA; 13 BP.
XX
AC ABF04552;
XX
DT 21-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 104549 for detecting SNP TSC0026138.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
DR WPI; 2001-657177/75.
XX
PT Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
PS Claim 1; SEQ ID NO 104549; 29pp + Sequence Listing; German.
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
XX ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 13 BP; 0 A; 1 C; 3 G; 8 T; 0 U; 1 Other;
    Query Match      12.9%; Score 9.4; DB 1; Length 13;
    Best Local Similarity 76.9%; Pred. No. 1.3e+03;
    Matches 10; Conservative 1; Mismatches 2; Indels 0; Gaps 0;

QY 917 GTCCTTGCCTTTT 929
Db 1 GTCCTTGCCTTTT 13
|||||
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RESULT 2072
ABF05163/c
ID ABF05163 standard; DNA; 13 BP.
XX AC
XX ABF05163;
XX DT
XX 21-FEB-2002 (first entry)
XX DE
XX Oligonucleotide SEQ ID NO 105160 for detecting SNP TSC0026342.
XX SN
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX OS
XX Homo sapiens.
XX PN
XX WO200177384-A2.
XX PD
XX 18-OCT-2001.
XX PF
XX 06-APR-2001; 2001WO-IB000713.
XX PR
XX 07-APR-2000; 2000DE-01019173.
XX PA
XX (EPIG-) EPIGENOMICS AG.
XX PI
XX Olek A, Piepenbrock C, Berlin K;
XX WPI; 2001-657177/75.
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
XX designed to detect single-nucleotide polymorphisms and cytosine
XX methylation status.
XX Claim 1; SEQ ID NO 105160; 29pp + Sequence Listing; German.
XX This invention describes novel oligonucleotide primers or peptide nucleic
XX acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
XX and cytosine methylation status in chemically pretreated genomic DNA. The
XX oligonucleotides are used for diagnosis and/or prognosis of cancer and a
XX range of diseases including immune system, gastrointestinal, respiratory,
XX central nervous system, cardiovascular and metabolic disorders. The
XX oligomers are also used for detecting cell type differentiation. ABC00010
XX -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
XX represent the oligomers described in the invention. NOTE: The sequence
XX data for this patent did not form part of the printed specification, but
XX was obtained in electronic format from WIPO at
XX ftp.wipo.int/pub/published_pct_sequences
XX Sequence 13 BP; 8 A; 3 C; 0 G; 2 T; 0 U; 0 Other;
XX Query Match 12.9%; Score 9.4; DB 1; Length 13;
XX Best Local Similarity 90.9%; Pred. No. 1.3e+03;
XX Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
QY 907 ATTTCTTTGG 917
DB 12 ATTTATTGG 2
||||| |||||
RESULT 2073
ABC81754
ID ABC81754 standard; DNA; 13 BP.
XX AC
XX ABC81754;
XX DT
XX 21-FEB-2002 (first entry)
XX DE
XX Oligonucleotide SEQ ID NO 81771 for detecting SNP TSC0020683.
XX SN
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX central nervous system; gastrointestinal; respiratory; immune; metabolic.
```

```
XX Homo sapiens.
XX WO200177384-A2.
XX 18-OCT-2001.
XX 06-APR-2001; 2001WO-IB000713.
XX 07-APR-2000; 2000DE-01019173.
XX (EPIG-) EPIGENOMICS AG.
XX Olek A, Piepenbrock C, Berlin K;
XX WPI; 2001-657177/75.
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
XX designed to detect single-nucleotide polymorphisms and cytosine
XX methylation status.
XX Claim 1; SEQ ID NO 81771; 29pp + Sequence Listing; German.
XX This invention describes novel oligonucleotide primers or peptide nucleic
XX acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
XX and cytosine methylation status in chemically pretreated genomic DNA. The
XX oligonucleotides are used for diagnosis and/or prognosis of cancer and a
XX range of diseases including immune system, gastrointestinal, respiratory,
XX central nervous system, cardiovascular and metabolic disorders. The
XX oligomers are also used for detecting cell type differentiation. ABC00010
XX -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
XX represent the oligomers described in the invention. NOTE: The sequence
XX data for this patent did not form part of the printed specification, but
XX was obtained in electronic format from WIPO at
XX ftp.wipo.int/pub/published_pct_sequences
XX Sequence 13 BP; 0 A; 0 C; 4 G; 9 T; 0 U; 0 Other;
XX Query Match 12.9%; Score 9.4; DB 1; Length 13;
XX Best Local Similarity 90.9%; Pred. No. 1.3e+03;
XX Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
QY 913 TTGTGCTTTG 923
DB 2 TTGTGTTTGG 12
||||| |||||
RESULT 2074
ABF09992
ID ABF09992 standard; DNA; 13 BP.
XX AC
XX ABF09992;
XX DT
XX 21-FEB-2002 (first entry)
XX DE
XX Oligonucleotide SEQ ID NO 109989 for detecting SNP TSC0027482.
XX SN
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX OS
XX Homo sapiens.
XX PN
XX WO200177384-A2.
XX PD
XX 18-OCT-2001.
XX PF
XX 06-APR-2001; 2001WO-IB000713.
XX PR
XX 07-APR-2000; 2000DE-01019173.
XX PA
XX (EPIG-) EPIGENOMICS AG.
XX
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PI Olek A, Piepenbrock C, Berlin K;
XX WPI; 2001-657177/75.
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX Claim 1; SEQ ID NO 109989; 29pp + Sequence Listing; German.
XX This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC9989, ABF00010-ABF9989, ABH00010-ABH9989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
XX Sequence 13 BP; 1 A; 0 C; 2 G; 10 T; 0 U; 0 Other;
Query Match 12.9%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 1.3e+03;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
OY 940 TTCATTGGTTT 950
DB 1 TTTATTGGTTT 11
RESULT 2075
ABF09993/C
ID ABF09993 standard; DNA; 13 BP.
XX AC ABF09993;
XX 21-FEB-2002 (first entry)
XX Oligonucleotide SEQ ID NO 109990 for detecting SNP TSC0027482.
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX Homo sapiens.
XX WO200177384-A2.
XX 18-OCT-2001.
XX 06-APR-2001; 2001WO-IB000713.
XX 07-APR-2000; 2000DE-01019173.
XX (EPITG-) EPIGENOMICS AG.
XX Olek A, Piepenbrock C, Berlin K;
XX WPI; 2001-657177/75.
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX Claim 1; SEQ ID NO 109990; 29pp + Sequence Listing; German.
XX This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The

CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC9989, ABF00010-ABF9989, ABH00010-ABH9989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
XX Sequence 13 BP; 10 A; 2 C; 0 G; 1 T; 0 U; 0 Other;
Query Match 12.9%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 1.3e+03;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
OY 940 TTCATTGGTTT 950
DB 13 TTTATTGGTTT 3
RESULT 2076
ABC12223/C
ID ABC12223 standard; DNA; 13 BP.
XX AC ABC12223;
XX 20-FEB-2002 (first entry)
XX Oligonucleotide SEQ ID NO 12230 for detecting SNP TSC002910.
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX Homo sapiens.
XX WO200177384-A2.
XX 18-OCT-2001.
XX 06-APR-2001; 2001WO-IB000713.
XX 07-APR-2000; 2000DE-01019173.
XX (EPIG-) EPIGENOMICS AG.
XX Olek A, Piepenbrock C, Berlin K;
XX WPI; 2001-657177/75.
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX Claim 1; SEQ ID NO 12230; 29pp + Sequence Listing; German.
XX This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC9989, ABF00010-ABF9989, ABH00010-ABH9989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
XX Sequence 13 BP; 7 A; 3 C; 0 G; 3 T; 0 U; 0 Other;
Query Match 12.9%; Score 9.4; DB 1; Length 13;

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Best Local Similarity 90.9%; Pred. No. 1.3e+03;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 947 GTTTAATGAT 957
DB 13 GTTTCATGAT 3
|||||
RESULT 2077
ABC86605/c
ID ABC86605 standard; DNA; 13 BP.
XX
AC ABC86605;
XX
DT 21-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 86622 for detecting SNP TSC0021768.
XX
SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPITG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
WPI; 2001-657177/75.
XX
Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
Claim 1; SEQ ID NO 86622; 29pp + Sequence Listing; German.
XX
This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 13 BP; 4 A; 4 C; 0 G; 4 T; 0 U; 1 Other;
Query Match 12.9%; Score 9.4; DB 1; Length 13;
Best Local Similarity 76.9%; Pred. No. 1.3e+03;
Matches 10; Conservative 1; Mismatches 2; Indels 0; Gaps 0;

QY 946 GGTTTAATGATC 958
DB 13 GGTTTAAGGATY 1
|||||
RESULT 2078
ABC62350/c
ID ABC62350 standard; DNA; 13 BP.
XX
AC ABC62350;

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XX
DT 21-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 62367 for detecting SNP TSC0016537.
XX
SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPITG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
WPI; 2001-657177/75.
XX
Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
Claim 1; SEQ ID NO 62367; 29pp + Sequence Listing; German.
XX
This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF9989, ABH00010-ABH9989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 13 BP; 4 A; 0 C; 8 G; 0 T; 0 U; 1 Other;
Query Match 12.9%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 1.3e+03;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 932 CCTCTCTCTTC 942
DB 12 CCTCTCTCTTC 2
|||||
RESULT 2079
ABC62944
ID ABC62944 standard; DNA; 13 BP.
XX
AC ABC62944;
XX
DT 21-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 62961 for detecting SNP TSC0016655.
XX
SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX

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PD 18-OCT-2001.
 XX
 PF 06-APR-2001; 2001WO-IB000713.
 XX
 PR 07-APR-2000; 2000DE-01019173.
 XX
 PA (EPIG-) EPIGENOMICS AG.
 XX
 PI Olek A, Piepenbrock C, Berlin K;
 XX
 DR WPI; 2001-657177/75.
 XX
 XX Set of oligonucleotides, useful for diagnosis and cell typing, is
 PT designed to detect single-nucleotide polymorphisms and cytosine
 PT methylation status.
 XX
 PS Claim 1; SEQ ID NO 62961; 29pp + Sequence Listing; German.
 XX
 XX This invention describes novel oligonucleotide primers or peptide nucleic
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
 CC and cytosine methylation status in chemically pretreated genomic DNA. The
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
 CC range of diseases including immune system, gastrointestinal, respiratory,
 CC central nervous system, cardiovascular and metabolic disorders. The
 CC oligomers are also used for detecting cell type differentiation. ABC00010
 CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
 CC represent the oligomers described in the invention. NOTE: The sequence
 CC data for this patent did not form part of the printed specification, but
 CC was obtained in electronic format from WIPO at
 CC ftp.wipo.int/pub/published_pct_sequences
 XX
 SQ Sequence 13 BP; 2 A; 0 C; 2 G; 8 T; 0 U; 1 Other;
 Query Match 12.9%; Score 9.4; DB 1; Length 13;
 Best Local Similarity 90.9%; Pred. No. 1.3e+03;
 Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
 QY 940 TTCATTGGTTT 950
 DB 2 TTTATTGGTTT 12
 RESULT 2080
 ABC88230
 ID ABC88230 standard; DNA; 13 BP.
 XX
 AC ABC88230;
 XX
 DT 21-FEB-2002 (first entry)
 XX
 DE Oligonucleotide SEQ ID NO 88247 for detecting SNP TSC0022172.
 XX
 XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
 KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
 KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
 XX
 OS Homo sapiens.
 XX
 PN WO200177384-A2.
 XX
 PD 18-OCT-2001.
 XX
 PF 06-APR-2001; 2001WO-IB000713.
 XX
 PR 07-APR-2000; 2000DE-01019173.
 XX
 PA (EPIG-) EPIGENOMICS AG.
 XX
 PI Olek A, Piepenbrock C, Berlin K;
 XX
 DR WPI; 2001-657177/75.
 XX
 XX Set of oligonucleotides, useful for diagnosis and cell typing, is
 PT designed to detect single-nucleotide polymorphisms and cytosine
 PT methylation status.

PT designed to detect single-nucleotide polymorphisms and cytosine
 PT methylation status.
 XX
 PS Claim 1; SEQ ID NO 88247; 29pp + Sequence Listing; German.
 XX
 XX This invention describes novel oligonucleotide primers or peptide nucleic
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
 CC and cytosine methylation status in chemically pretreated genomic DNA. The
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
 CC range of diseases including immune system, gastrointestinal, respiratory,
 CC central nervous system, cardiovascular and metabolic disorders. The
 CC oligomers are also used for detecting cell type differentiation. ABC00010
 CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
 CC represent the oligomers described in the invention. NOTE: The sequence
 CC data for this patent did not form part of the printed specification, but
 CC was obtained in electronic format from WIPO at
 CC ftp.wipo.int/pub/published_pct_sequences
 XX
 SQ Sequence 13 BP; 2 A; 0 C; 3 G; 7 T; 0 U; 1 Other;
 Query Match 12.9%; Score 9.4; DB 1; Length 13;
 Best Local Similarity 90.9%; Pred. No. 1.3e+03;
 Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
 QY 947 GTTTAATGTTAT 957
 DB 1 GTTTGATGTTAT 11
 RESULT 2081
 ABC39898/c
 ID ABC39898 standard; DNA; 13 BP.
 XX
 AC ABC39898;
 XX
 DT 20-FEB-2002 (first entry)
 XX
 DE Oligonucleotide SEQ ID NO 39915 for detecting SNP TSC0012171.
 XX
 XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
 KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
 KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
 XX
 OS Homo sapiens.
 XX
 PN WO200177384-A2.
 XX
 PD 18-OCT-2001.
 XX
 PF 06-APR-2001; 2001WO-IB000713.
 XX
 PR 07-APR-2000; 2000DE-01019173.
 XX
 PA (EPIG-) EPIGENOMICS AG.
 XX
 PI Olek A, Piepenbrock C, Berlin K;
 XX
 DR WPI; 2001-657177/75.
 XX
 XX Set of oligonucleotides, useful for diagnosis and cell typing, is
 PT designed to detect single-nucleotide polymorphisms and cytosine
 PT methylation status.
 XX
 PS Claim 1; SEQ ID NO 39915; 29pp + Sequence Listing; German.
 XX
 XX This invention describes novel oligonucleotide primers or peptide nucleic
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
 CC and cytosine methylation status in chemically pretreated genomic DNA. The
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
 CC range of diseases including immune system, gastrointestinal, respiratory,
 CC central nervous system, cardiovascular and metabolic disorders. The
 CC oligomers are also used for detecting cell type differentiation. ABC00010
 CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
 CC represent the oligomers described in the invention. NOTE: The sequence
 CC data for this patent did not form part of the printed specification, but
 CC was obtained in electronic format from WIPO at
 CC ftp.wipo.int/pub/published_pct_sequences

CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences

SQ Sequence 13 BP; 4 A; 0 C; 5 G; 3 T; 0 U; 1 Other;

Query Match 12.9%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 1.3e+03;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 930 ATCCCTCTCTCT 940

Db 11 ATCCATCTCTCT 1

RESULT 2082

ABF24038
ID ABF24038 standard; DNA; 13 BP.

XX AC ABF24038;

DT 21-FEB-2002 (first entry)

DE Oligonucleotide SEQ ID NO 124035 for detecting SNP TSC0031015.

XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.

OS Homo sapiens.

XX WO200177384-A2.

PD 18-OCT-2001.

PF 06-APR-2001; 2001WO-IB000713.

PR 07-APR-2000; 2000DE-01019173.

PA (EPIG-) EPIGENOMICS AG.

PI Olek A, Piepenbrock C, Berlin K;

DR WPI; 2001-657177/75.

PT Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.

PS Claim 1; SEQ ID NO 124035; 29pp + Sequence Listing; German.

CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and AB100010-AB182073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences

SQ Sequence 13 BP; 0 A; 0 C; 3 G; 9 T; 0 U; 1 Other;

Query Match 12.9%; Score 9.4; DB 1; Length 13;
Best Local Similarity 76.9%; Pred. No. 1.3e+03;
Matches 10; Conservative 1; Mismatches 2; Indels 0; Gaps 0;

QY 909 TTTCTTTGGTCTT 921

|||||

Db 1 TTTGTTTGGTTY 13

RESULT 2083

ABF34394/C
ID ABF34394 standard; DNA; 13 BP.

XX AC ABF34394;

DT 21-FEB-2002 (first entry)

DE Oligonucleotide SEQ ID NO 134391 for detecting SNP TSC0033498.

XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.

OS Homo sapiens.

XX WO200177384-A2.

PD 18-OCT-2001.

PF 06-APR-2001; 2001WO-IB000713.

PR 07-APR-2000; 2000DE-01019173.

PA (EPIG-) EPIGENOMICS AG.

PI Olek A, Piepenbrock C, Berlin K;

DR WPI; 2001-657177/75.

PT Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.

PS Claim 1; SEQ ID NO 134391; 29pp + Sequence Listing; German.

CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and AB100010-AB182073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences

SQ Sequence 13 BP; 8 A; 0 C; 3 G; 2 T; 0 U; 0 Other;

Query Match 12.9%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 1.3e+03;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 921 TTGCTTTTAT 931

|||||

Db 11 TTTCCCTTTAT 1

RESULT 2084

ABF43100
ID ABF43100 standard; DNA; 13 BP.

XX AC ABF43100;

DT 21-FEB-2002 (first entry)

DE Oligonucleotide SEQ ID NO 143037 for detecting SNP TSC0035891.

SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
central nervous system; gastrointestinal; respiratory; immune; metabolic.
Homo sapiens.
WO200177384-A2.
18-OCT-2001.
06-APR-2001; 2001WO-IB000713.
07-APR-2000; 2000DE-01019173.
(EPIG-) EPIGENOMICS AG.
Olek A, Piepenbrock C, Berlin K;
WPI; 2001-657177/75.
Set of oligonucleotides, useful for diagnosis and cell typing, is
designed to detect single-nucleotide polymorphisms and cytosine
methylation status.
Claim 1; SEQ ID NO 143097; 29pp + Sequence Listing; German.
This invention describes novel oligonucleotide primers or peptide nucleic
acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
and cytosine methylation status in chemically pretreated genomic DNA. The
oligonucleotides are used for diagnosis and/or prognosis of cancer and a
range of diseases including immune system, gastrointestinal, respiratory,
central nervous system, cardiovascular and metabolic disorders. The
oligonucleotides are also used for detecting cell type differentiation. ABC00010
-ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
represent the oligomers described in the invention. NOTE: The sequence
data for this patent did not form part of the printed specification, but
was obtained in electronic format from WIPO at
ftp.wipo.int/pub/published_pct_sequences
Sequence 13 BP; 0 A; 0 C; 4 G; 9 T; 0 U; 0 Other;
Query Match 12.9%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 1.3e+03;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
QY 913 TTGGCTTTG 923
Db 1 TTGGCTTTG 11
RESULT 2085
ABF93667/C
ID ABF93667 standard; DNA; 13 BP.
XX
AC ABF93667;
XX
DT 22-FEB-2002 (first entry)
DE Oligonucleotide SEQ ID NO 193664 for detecting SNP TSC0047644.
XX
SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
central nervous system; gastrointestinal; respiratory; immune; metabolic.
Homo sapiens.
WO200177384-A2.
18-OCT-2001.
06-APR-2001; 2001WO-IB000713.
07-APR-2000; 2000DE-01019173.

(SPIG-) EPIGENOMICS AG.
Olek A, Piepenbrock C, Berlin K;
WPI; 2001-657177/75.
Set of oligonucleotides, useful for diagnosis and cell typing, is
designed to detect single-nucleotide polymorphisms and cytosine
methylation status.
Claim 1; SEQ ID NO 193664; 29pp + Sequence Listing; German.
This invention describes novel oligonucleotide primers or peptide nucleic
acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
and cytosine methylation status in chemically pretreated genomic DNA. The
oligonucleotides are used for diagnosis and/or prognosis of cancer and a
range of diseases including immune system, gastrointestinal, respiratory,
central nervous system, cardiovascular and metabolic disorders. The
oligonucleotides are also used for detecting cell type differentiation. ABC00010
-ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
represent the oligomers described in the invention. NOTE: The sequence
data for this patent did not form part of the printed specification, but
was obtained in electronic format from WIPO at
ftp.wipo.int/pub/published_pct_sequences
Sequence 13 BP; 7 A; 2 C; 1 G; 3 T; 0 U; 0 Other;
Query Match 12.9%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 1.3e+03;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
QY 920 TTGGCTTTTA 930
Db 12 TTGGCTTTTA 2
RESULT 2086
ABF69696
ID ABF69696 standard; DNA; 13 BP.
XX
AC ABF69696;
XX
DT 22-FEB-2002 (first entry)
DE Oligonucleotide SEQ ID NO 169693 for detecting SNP TSC004777.
XX
SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
central nervous system; gastrointestinal; respiratory; immune; metabolic.
Homo sapiens.
WO200177384-A2.
18-OCT-2001.
06-APR-2001; 2001WO-IB000713.
07-APR-2000; 2000DE-01019173.
(EPIG-) EPIGENOMICS AG.
Olek A, Piepenbrock C, Berlin K;
WPI; 2001-657177/75.
Set of oligonucleotides, useful for diagnosis and cell typing, is
designed to detect single-nucleotide polymorphisms and cytosine
methylation status.
Claim 1; SEQ ID NO 169693; 29pp + Sequence Listing; German.

CC This invention describes novel oligonucleotide primers or peptide nucleic acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP) and cytosine methylation status in chemically pretreated genomic DNA. The oligonucleotides are used for diagnosis and/or prognosis of cancer and a range of diseases including immune system, gastrointestinal, respiratory, central nervous system, cardiovascular and metabolic disorders. The oligomers are also used for detecting cell type differentiation. ABC00010 -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073 represent the oligomers described in the invention. NOTE: The sequence data for this patent did not form part of the printed specification, but was obtained in electronic format from WIPO at ftp.wipo.int/pub/published_pct_sequences

SQ Sequence 13 BP; 2 A; 0 C; 6 G; 5 T; 0 U; 0 Other;
 Query Match 12.9%; Score 9.4; DB 1; Length 13;
 Best Local Similarity 90.9%; Pred. No. 1.3e+03;
 Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 945 TGGTTTAATGT 955
 Db 3 TGGTTGAATGT 13
 |||||

RESULT 2087
 ABF97821
 ID ABF97821 standard; DNA; 13 BP.
 XX
 AC ABF97821;
 XX
 DT 22-FEB-2002 (first entry)
 XX
 DE Oligonucleotide SEQ ID NO 197818 for detecting SNP TSC0046685.
 XX
 KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
 KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
 KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
 XX
 OS Homo sapiens.
 XX
 PN WO200177384-A2.
 XX
 PD 18-OCT-2001.
 XX
 PF 06-APR-2001; 2001WO-IB000713.
 XX
 PR 07-APR-2000; 2000DE-01019173.
 XX
 PA (EPIG-) EPIGENOMICS AG.
 XX
 PI Olek A, Piepenbrock C, Berlin K;
 XX
 DR WPI; 2001-657177/75.
 XX
 PT Set of oligonucleotides, useful for diagnosis and cell typing, is designed to detect single-nucleotide polymorphisms and cytosine methylation status.
 XX
 PS Claim 1; SEQ ID NO 197818; 29pp + Sequence Listing; German.
 XX
 CC This invention describes novel oligonucleotide primers or peptide nucleic acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP) and cytosine methylation status in chemically pretreated genomic DNA. The oligonucleotides are used for diagnosis and/or prognosis of cancer and a range of diseases including immune system, gastrointestinal, respiratory, central nervous system, cardiovascular and metabolic disorders. The oligomers are also used for detecting cell type differentiation. ABC00010 -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073 represent the oligomers described in the invention. NOTE: The sequence data for this patent did not form part of the printed specification, but was obtained in electronic format from WIPO at ftp.wipo.int/pub/published_pct_sequences

SQ Sequence 13 BP; 4 A; 5 C; 1 G; 3 T; 0 U; 0 Other;
 Query Match 12.9%; Score 9.4; DB 1; Length 13;
 Best Local Similarity 90.9%; Pred. No. 1.3e+03;
 Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 955 TATCGTATACCA 965
 Db 3 TATCGATACCA 13
 |||||

RESULT 2088
 ABF98719
 ID ABF98719 standard; DNA; 13 BP.
 XX
 AC ABF98719;
 XX
 DT 22-FEB-2002 (first entry)
 XX
 DE Oligonucleotide SEQ ID NO 198716 for detecting SNP TSC0048898.
 XX
 KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
 KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
 KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
 XX
 OS Homo sapiens.
 XX
 PN WO200177384-A2.
 XX
 PD 18-OCT-2001.
 XX
 PF 06-APR-2001; 2001WO-IB000713.
 XX
 PR 07-APR-2000; 2000DE-01019173.
 XX
 PA (EPIG-) EPIGENOMICS AG.
 XX
 PI Olek A, Piepenbrock C, Berlin K;
 XX
 DR WPI; 2001-657177/75.
 XX
 PT Set of oligonucleotides, useful for diagnosis and cell typing, is designed to detect single-nucleotide polymorphisms and cytosine methylation status.
 XX
 PS Claim 1; SEQ ID NO 198716; 29pp + Sequence Listing; German.
 XX
 CC This invention describes novel oligonucleotide primers or peptide nucleic acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP) and cytosine methylation status in chemically pretreated genomic DNA. The oligonucleotides are used for diagnosis and/or prognosis of cancer and a range of diseases including immune system, gastrointestinal, respiratory, central nervous system, cardiovascular and metabolic disorders. The oligomers are also used for detecting cell type differentiation. ABC00010 -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073 represent the oligomers described in the invention. NOTE: The sequence data for this patent did not form part of the printed specification, but was obtained in electronic format from WIPO at ftp.wipo.int/pub/published_pct_sequences

SQ Sequence 13 BP; 2 A; 5 C; 0 G; 6 T; 0 U; 0 Other;
 Query Match 12.9%; Score 9.4; DB 1; Length 13;
 Best Local Similarity 90.9%; Pred. No. 1.3e+03;
 Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 925 CTTTATCCCT 935
 Db 1 CTTCTATCCCT 11
 |||||

RESULT 2089
 ABF99133/c

ID ABF99133 standard; DNA; 13 BP.
 XX AC ABF99133;
 XX DT 22-FEB-2002 (first entry)
 XX DE Oligonucleotide SEQ ID NO 199130 for detecting SNP TSC0049008.
 XX KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
 XX KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
 XX KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
 XX OS Homo sapiens.
 XX PN WO200177384-A2.
 XX PD 18-OCT-2001.
 XX PF 06-APR-2001; 2001WO-IB000713.
 XX PR 07-APR-2000; 2000DE-01019173.
 XX PA (EPIC-) EPIGENOMICS AG.
 XX PI Olek A, Piepenbrock C, Berlin K;
 XX PI WPI; 2001-657177/75.
 XX DR Set of oligonucleotides, useful for diagnosis and cell typing, is
 XX PT designed to detect single-nucleotide polymorphisms and cytosine
 XX PT methylation status.
 XX PS Claim 1; SEQ ID NO 199130; 29pp + Sequence Listing; German.
 XX CC This invention describes novel oligonucleotide primers or peptide nucleic
 XX CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
 XX CC and cytosine methylation status in chemically pretreated genomic DNA. The
 XX CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
 XX CC range of diseases including immune system, gastrointestinal, respiratory,
 XX CC central nervous system, cardiovascular and metabolic disorders. The
 XX CC oligomers are also used for detecting cell type differentiation. ABC00010
 XX CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
 XX CC represent the oligomers described in the invention. NOTE: The sequence
 XX CC data for this patent did not form part of the printed specification, but
 XX CC was obtained in electronic format from WIPO at
 XX CC ftp.wipo.int/pub/published_pct_sequences
 XX SQ Sequence 13 BP; 8 A; 3 C; 1 G; 1 T; 0 U; 0 Other;
 XX CC This invention describes novel oligonucleotide primers or peptide nucleic
 XX CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
 XX CC and cytosine methylation status in chemically pretreated genomic DNA. The
 XX CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
 XX CC range of diseases including immune system, gastrointestinal, respiratory,
 XX CC central nervous system, cardiovascular and metabolic disorders. The
 XX CC oligomers are also used for detecting cell type differentiation. ABC00010
 XX CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
 XX CC represent the oligomers described in the invention. NOTE: The sequence
 XX CC data for this patent did not form part of the printed specification, but
 XX CC was obtained in electronic format from WIPO at
 XX CC ftp.wipo.int/pub/published_pct_sequences
 XX SQ Sequence 13 BP; 8 A; 3 C; 1 G; 1 T; 0 U; 0 Other;
 Query Match 12.9%; Score 9.4; DB 1; Length 13;
 Best Local Similarity 90.9%; Pred. No. 1.3e+03;
 Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
 QY 907 ATTTCCTTGG 917
 DB 11 ATTTTCTTGG 1
 RESULT 2090
 ABF49158
 ID ABF49158 standard; DNA; 13 BP.
 XX AC ABF49158;
 XX DT 21-FEB-2002 (first entry)
 XX DE Oligonucleotide SEQ ID NO 149155 for detecting SNP TSC0037626.
 XX KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
 XX KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
 XX KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
 XX OS Homo sapiens.

XX WO200177384-A2.
 XX PD 18-OCT-2001.
 XX PF 06-APR-2001; 2001WO-IB000713.
 XX PR 07-APR-2000; 2000DE-01019173.
 XX PA (EPIC-) EPIGENOMICS AG.
 XX PI Olek A, Piepenbrock C, Berlin K;
 XX PI WPI; 2001-657177/75.
 XX DR Set of oligonucleotides, useful for diagnosis and cell typing, is
 XX PT designed to detect single-nucleotide polymorphisms and cytosine
 XX PT methylation status.
 XX PS Claim 1; SEQ ID NO 149155; 29pp + Sequence Listing; German.
 XX CC This invention describes novel oligonucleotide primers or peptide nucleic
 XX CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
 XX CC and cytosine methylation status in chemically pretreated genomic DNA. The
 XX CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
 XX CC range of diseases including immune system, gastrointestinal, respiratory,
 XX CC central nervous system, cardiovascular and metabolic disorders. The
 XX CC oligomers are also used for detecting cell type differentiation. ABC00010
 XX CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
 XX CC represent the oligomers described in the invention. NOTE: The sequence
 XX CC data for this patent did not form part of the printed specification, but
 XX CC was obtained in electronic format from WIPO at
 XX CC ftp.wipo.int/pub/published_pct_sequences
 XX SQ Sequence 13 BP; 3 A; 0 C; 4 G; 6 T; 0 U; 0 Other;
 Query Match 12.9%; Score 9.4; DB 1; Length 13;
 Best Local Similarity 90.9%; Pred. No. 1.3e+03;
 Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
 QY 947 GTTAAATGAT 957
 DB 2 GGTAAATGAT 12
 RESULT 2091
 ABF49159/C
 ID ABF49159 standard; DNA; 13 BP.
 XX AC ABF49159;
 XX DT 21-FEB-2002 (first entry)
 XX DE Oligonucleotide SEQ ID NO 149156 for detecting SNP TSC0037626.
 XX KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
 XX KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
 XX KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
 XX OS Homo sapiens.
 XX PN WO200177384-A2.
 XX PD 18-OCT-2001.
 XX PF 06-APR-2001; 2001WO-IB000713.
 XX PR 07-APR-2000; 2000DE-01019173.
 XX PA (EPIC-) EPIGENOMICS AG.
 XX PI Olek A, Piepenbrock C, Berlin K;

DR WPI; 2001-657177/75.
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
XX Claim 1; SEQ ID NO 149156; 29pp + Sequence Listing; German.
XX
XX This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
XX Sequence 13 BP; 6 A; 4 C; 0 G; 3 T; 0 U; 0 Other;
SQ
Query Match 12.9%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 1.3e+03;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
QY 947 GTTAAATGAT 957
Db 12 GGTAAATGAT 2
RESULT 2092
ABH02911/c
ID ABH02911 standard; DNA; 13 BP.
XX
XX ABH02911;
XX
XX 22-FEB-2002 (first entry)
XX
XX Oligonucleotide SEQ ID NO 202888 for detecting SNP TSC0008365.
XX
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
XX Homo sapiens.
XX
XX WO200177384-A2.
XX
XX 18-OCT-2001.
XX
XX 06-APR-2001; 2001WO-IB000713.
XX
XX 07-APR-2000; 2000DE-01019173.
XX
XX (EPIG-) EPIGENOMICS AG.
XX
XX Olek A, Piepenbrock C, Berlin K;
XX
XX WPI; 2001-657177/75.
XX
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
XX Claim 1; SEQ ID NO 202888; 29pp + Sequence Listing; German.
XX
XX This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
XX Sequence 13 BP; 6 A; 4 C; 0 G; 3 T; 0 U; 0 Other;
SQ

CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
XX Sequence 13 BP; 8 A; 2 C; 0 G; 3 T; 0 U; 0 Other;
SQ
Query Match 12.9%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 1.3e+03;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
QY 943 ATTGGTTTAAAT 953
Db 13 ATTGGTTTAAAT 3
RESULT 2093
ABH03167/c
ID ABH03167 standard; DNA; 13 BP.
XX
XX ABH03167;
XX
XX 22-FEB-2002 (first entry)
XX
XX Oligonucleotide SEQ ID NO 203144 for detecting SNP TSC0049888.
XX
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
XX Homo sapiens.
XX
XX WO200177384-A2.
XX
XX 18-OCT-2001.
XX
XX 06-APR-2001; 2001WO-IB000713.
XX
XX 07-APR-2000; 2000DE-01019173.
XX
XX (EPIG-) EPIGENOMICS AG.
XX
XX Olek A, Piepenbrock C, Berlin K;
XX
XX WPI; 2001-657177/75.
XX
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
XX Claim 1; SEQ ID NO 203144; 29pp + Sequence Listing; German.
XX
XX This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
XX Sequence 13 BP; 8 A; 4 C; 1 G; 0 T; 0 U; 0 Other;
SQ
Query Match 12.9%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 1.3e+03;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

PF 06-APR-2001; 2001WO-IB000713.
 XX
 PR 07-APR-2000; 2000DE-01019173.
 XX
 PA (EPIG-) EPIGENOMICS AG.
 XX
 PI Olek A, Piepenbrock C, Berlin K;
 XX
 XX WPI; 2001-657177/75.
 XX
 XX Set of oligonucleotides, useful for diagnosis and cell typing, is
 PT designed to detect single-nucleotide polymorphisms and cytosine
 PT methylation status.
 XX
 XX Claim 1; SEQ ID NO 205295; 29pp + Sequence Listing; German.
 PS
 XX This invention describes novel oligonucleotide primers or peptide nucleic
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
 CC and cytosine methylation status in chemically pretreated genomic DNA. The
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
 CC range of diseases including immune system, gastrointestinal, respiratory,
 CC central nervous system, cardiovascular and metabolic disorders. The
 CC oligomers are also used for detecting cell type differentiation. ABC00010
 CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
 CC represent the oligomers described in the invention. NOTE: The sequence
 CC data for this patent did not form part of the printed specification, but
 CC was obtained in electronic format from WIPO at
 CC ftp.wipo.int/pub/published_pct_sequences
 XX
 XX Sequence 13 BP; 4 A; 0 C; 3 G; 6 T; 0 U; 0 Other;
 SQ
 Query Match 12.9%; Score 9.4; DB 1; Length 13;
 Best Local Similarity 90.9%; Pred. No. 1.3e+03;
 Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
 QY 943 ATTGGTTTAAT 953
 DB ||||| |||||
 2 ATTGGTTTAAT 12
 RESULT 2097
 ABF84334
 ID ABF84334 standard; DNA; 13 BP.
 XX
 AC ABF84334;
 XX
 XX 22-FEB-2002 (first entry)
 DT
 XX Oligonucleotide SEQ ID NO 184331 for detecting SNP TSC0045489.
 DE
 XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
 KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
 KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
 XX
 OS Homo sapiens.
 XX
 PN WO200177384-A2.
 XX
 PD 18-OCT-2001.
 XX
 XX 06-APR-2001; 2001WO-IB000713.
 XX
 XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
 KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
 KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
 XX
 OS Homo sapiens.
 XX
 PN WO200177384-A2.
 XX
 PD 18-OCT-2001.
 XX
 XX 06-APR-2001; 2001WO-IB000713.
 XX
 XX 07-APR-2000; 2000DE-01019173.
 XX
 XX (EPIG-) EPIGENOMICS AG.
 XX
 XX Olek A, Piepenbrock C, Berlin K;
 XX
 XX WPI; 2001-657177/75.
 XX
 XX Set of oligonucleotides, useful for diagnosis and cell typing, is
 PT designed to detect single-nucleotide polymorphisms and cytosine
 PT methylation status.

XX Claim 1; SEQ ID NO 184331; 29pp + Sequence Listing; German.
 XX
 XX This invention describes novel oligonucleotide primers or peptide nucleic
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
 CC and cytosine methylation status in chemically pretreated genomic DNA. The
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
 CC range of diseases including immune system, gastrointestinal, respiratory,
 CC central nervous system, cardiovascular and metabolic disorders. The
 CC oligomers are also used for detecting cell type differentiation. ABC00010
 CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
 CC represent the oligomers described in the invention. NOTE: The sequence
 CC data for this patent did not form part of the printed specification, but
 CC was obtained in electronic format from WIPO at
 CC ftp.wipo.int/pub/published_pct_sequences
 XX
 XX Sequence 13 BP; 1 A; 1 C; 3 G; 8 T; 0 U; 0 Other;
 SQ
 Query Match 12.9%; Score 9.4; DB 1; Length 13;
 Best Local Similarity 90.9%; Pred. No. 1.3e+03;
 Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
 QY 920 TTTCGCTTTTA 930
 DB ||||| |||||
 3 TTTCGCTTTTA 13
 RESULT 2098
 ABF86653
 ID ABF86653 standard; DNA; 13 BP.
 XX
 AC ABF86653;
 XX
 XX 22-FEB-2002 (first entry)
 DT
 XX Oligonucleotide SEQ ID NO 186650 for detecting SNP TSC0045992.
 DE
 XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
 KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
 KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
 XX
 OS Homo sapiens.
 XX
 PN WO200177384-A2.
 XX
 PD 18-OCT-2001.
 XX
 XX 06-APR-2001; 2001WO-IB000713.
 XX
 XX 07-APR-2000; 2000DE-01019173.
 XX
 XX (EPIG-) EPIGENOMICS AG.
 XX
 XX Olek A, Piepenbrock C, Berlin K;
 XX
 XX WPI; 2001-657177/75.
 XX
 XX Set of oligonucleotides, useful for diagnosis and cell typing, is
 PT designed to detect single-nucleotide polymorphisms and cytosine
 PT methylation status.
 XX
 XX Claim 1; SEQ ID NO 186650; 29pp + Sequence Listing; German.
 PS
 XX This invention describes novel oligonucleotide primers or peptide nucleic
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
 CC and cytosine methylation status in chemically pretreated genomic DNA. The
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
 CC range of diseases including immune system, gastrointestinal, respiratory,
 CC central nervous system, cardiovascular and metabolic disorders. The
 CC oligomers are also used for detecting cell type differentiation. ABC00010
 CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
 CC represent the oligomers described in the invention. NOTE: The sequence
 CC data for this patent did not form part of the printed specification, but
 CC was obtained in electronic format from WIPO at
 CC ftp.wipo.int/pub/published_pct_sequences
 XX

CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences

SQ Sequence 13 BP; 2 A; 7 C; 0 G; 4 T; 0 U; 0 Other;

Query Match 12.9%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 1.3e+03;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 929 TATCCCTCCTC 939

DB 3 TCTCCCTCCTC 13

RESULT 2099

ABH38408 ID ABH38408 standard; DNA; 13 BP.

XX AC ABH38408;

XX DT 22-FEB-2002 (first entry)

DE Oligonucleotide SEQ ID NO 238385 for detecting SNP TSC0058142.

XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.

XX OS Homo sapiens.

XX PN WO200177384-A2.

XX PD 18-OCT-2001.

XX PF 06-APR-2001; 2001WO-IB000713.

XX PR 07-APR-2000; 2000DE-01019173.

XX PA (EPIG-) EPIGENOMICS AG.

XX PI Olek A, Piepenbrock C, Berlin K;

XX WPI; 2001-657177/75.

XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.

XX Claim 1; SEQ ID NO 238385; 29pp + Sequence Listing; German.

CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences

XX Sequence 13 BP; 2 A; 0 C; 2 G; 8 T; 0 U; 1 Other;

Query Match 12.9%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 1.3e+03;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 947 GTTAAATGTAT 957

DB 1 GTTAAATGTAT 11

RESULT 2100
ABH13480 ID ABH13480 standard; DNA; 13 BP.

XX AC ABH13480;

XX DT 22-FEB-2002 (first entry)

DE Oligonucleotide SEQ ID NO 213457 for detecting SNP TSC0051980.

XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.

XX OS Homo sapiens.

XX PN WO200177384-A2.

XX PD 18-OCT-2001.

XX PF 06-APR-2001; 2001WO-IB000713.

XX PR 07-APR-2000; 2000DE-01019173.

XX PA (EPIG-) EPIGENOMICS AG.

XX PI Olek A, Piepenbrock C, Berlin K;

XX WPI; 2001-657177/75.

XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.

XX Claim 1; SEQ ID NO 213457; 29pp + Sequence Listing; German.

CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences

XX Sequence 13 BP; 0 A; 0 C; 4 G; 9 T; 0 U; 0 Other;

Query Match 12.9%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 1.3e+03;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 913 TTGTGCTTTG 923

DB 2 TTGTGCTTTG 12

RESULT 2101

ABH48201/c ID ABH48201 standard; DNA; 13 BP.

XX AC ABH48201;

XX DT 22-FEB-2002 (first entry)

DE Oligonucleotide SEQ ID NO 248178 for detecting SNP TSC0060647.

XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;

KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
 OS Homo sapiens.
 XX WO200177384-A2.
 XX 18-OCT-2001.
 PD 06-APR-2001; 2001WO-IB000713.
 XX 07-APR-2000; 2000DE-01019173.
 PR (EPIG-) EPIGENOMICS AG.
 XX Olek A, Piepenbrock C, Berlin K;
 XX WPI; 2001-657177/75.
 XX Set of oligonucleotides, useful for diagnosis and cell typing, is
 PT designed to detect single-nucleotide polymorphisms and cytosine
 PT methylation status.
 XX Claim 1; SEQ ID NO 248178; 29pp + Sequence Listing; German.
 XX This invention describes novel oligonucleotide primers or peptide nucleic
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
 CC and cytosine methylation status in chemically pretreated genomic DNA. The
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
 CC range of diseases including immune system, gastrointestinal, respiratory,
 CC central nervous system, cardiovascular and metabolic disorders. The
 CC oligomers are also used for detecting cell type differentiation. ABC00010
 CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
 CC represent the oligomers described in the invention. NOTE: The sequence
 CC data for this patent did not form part of the printed specification, but
 CC was obtained in electronic format from WIPO at
 CC ftp.wipo.int/pub/published_pct_sequences
 XX Sequence 13 BP; 6 A; 3 C; 0 G; 4 T; 0 U; 0 Other;
 SQ Query Match 12.9%; Score 9.4; DB 1; Length 13;
 Best Local Similarity 90.9%; Pred. No. 1.3e+03;
 Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
 QY 947 GTTAAATGAT 957
 DB 12 GTTAAATGAAT 2
 RESULT 2102
 ABH49253/C
 ID ABH49253 standard; DNA; 13 BP.
 XX AC ABH49253;
 XX 22-FEB-2002 (first entry)
 DE Oligonucleotide SEQ ID NO 249230 for detecting SNP TSC0060878.
 XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
 KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
 KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
 XX Homo sapiens.
 OS WO200177384-A2.
 PN 18-OCT-2001.
 XX 06-APR-2001; 2001WO-IB000713.
 XX 07-APR-2000; 2000DE-01019173.
 PR (EPIG-) EPIGENOMICS AG.

XX Olek A, Piepenbrock C, Berlin K;
 XX WPI; 2001-657177/75.
 XX Set of oligonucleotides, useful for diagnosis and cell typing, is
 PT designed to detect single-nucleotide polymorphisms and cytosine
 PT methylation status.
 XX Claim 1; SEQ ID NO 249230; 29pp + Sequence Listing; German.
 XX This invention describes novel oligonucleotide primers or peptide nucleic
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
 CC and cytosine methylation status in chemically pretreated genomic DNA. The
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
 CC range of diseases including immune system, gastrointestinal, respiratory,
 CC central nervous system, cardiovascular and metabolic disorders. The
 CC oligomers are also used for detecting cell type differentiation. ABC00010
 CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
 CC represent the oligomers described in the invention. NOTE: The sequence
 CC data for this patent did not form part of the printed specification, but
 CC was obtained in electronic format from WIPO at
 CC ftp.wipo.int/pub/published_pct_sequences
 XX Sequence 13 BP; 6 A; 2 C; 1 G; 4 T; 0 U; 0 Other;
 SQ Query Match 12.9%; Score 9.4; DB 1; Length 13;
 Best Local Similarity 90.9%; Pred. No. 1.3e+03;
 Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
 QY 952 ATGTAATCGCTA 962
 DB 13 ATGTAATCGTTA 3
 RESULT 2103
 ABH49876
 ID ABH49876 standard; DNA; 13 BP.
 XX AC ABH49876;
 XX 22-FEB-2002 (first entry)
 DE Oligonucleotide SEQ ID NO 249853 for detecting SNP TSC0061035.
 XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
 KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
 KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
 XX Homo sapiens.
 OS WO200177384-A2.
 PN 18-OCT-2001.
 XX 06-APR-2001; 2001WO-IB000713.
 XX 07-APR-2000; 2000DE-01019173.
 PR (EPIG-) EPIGENOMICS AG.
 XX Olek A, Piepenbrock C, Berlin K;
 XX WPI; 2001-657177/75.
 XX Set of oligonucleotides, useful for diagnosis and cell typing, is
 PT designed to detect single-nucleotide polymorphisms and cytosine
 PT methylation status.
 XX Claim 1; SEQ ID NO 249853; 29pp + Sequence Listing; German.
 XX This invention describes novel oligonucleotide primers or peptide nucleic
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)

CC and cytosine methylation status in chemically pretreated genomic DNA. The
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
 CC range of diseases including immune system, gastrointestinal, respiratory,
 CC central nervous system, cardiovascular and metabolic disorders. The
 CC oligomers are also used for detecting cell type differentiation. ABC00010
 CC -ABC9989, ABF00010-ABF9989, ABH00010-ABH9989 and ABI00010-ABI82073
 CC represent the oligomers described in the invention. NOTE: The sequence
 CC data for this patent did not form part of the printed specification, but
 CC was obtained in electronic format from WIPO at
 CC ftp.wipo.int/pub/published_pct_sequences

XX Sequence 13 BP; 1 A; 0 C; 3 G; 8 T; 0 U; 1 Other;

Query Match 12.9%; Score 9.4; DB 1; Length 13;
 Best Local Similarity 76.9%; Pred. No. 1.3e+03;
 Matches 10; Conservative 1; Mismatches 2; Indels 0; Gaps 0;

QY 910 TTCTTTGGTCTTT 922
 Db 1 TTATTGGTGTTT 13

RESULT 2104
 ID ABH49877/c
 XX ABH49877 standard; DNA; 13 BP.

AC ABH49877;

XX 22-FEB-2002 (first entry)

DE Oligonucleotide SEQ ID NO 249854 for detecting SNP TSC0061035.

XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
 KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
 KW central nervous system; gastrointestinal; respiratory; immune; metabolic.

XX Homo sapiens.

PN WO200177384-A2.

XX 18-OCT-2001.

PF 06-APR-2001; 2001WO-IB000713.

PR 07-APR-2000; 2000DE-01019173.

XX (EPIG-) EPIGENOMICS AG.

PI Olek A, Piepenbrock C, Berlin K;

DR WPI; 2001-657177/75.

XX Set of oligonucleotides, useful for diagnosis and cell typing, is
 PT designed to detect single-nucleotide polymorphisms and cytosine
 PT methylation status.

XX Claim 1; SEQ ID NO 249854; 29pp + Sequence Listing; German.

XX This invention describes novel oligonucleotide primers or peptide nucleic
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
 CC and cytosine methylation status in chemically pretreated genomic DNA. The
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
 CC range of diseases including immune system, gastrointestinal, respiratory,
 CC central nervous system, cardiovascular and metabolic disorders. The
 CC oligomers are also used for detecting cell type differentiation. ABC00010
 CC -ABC9989, ABF00010-ABF9989, ABH00010-ABH9989 and ABI00010-ABI82073
 CC represent the oligomers described in the invention. NOTE: The sequence
 CC data for this patent did not form part of the printed specification, but
 CC was obtained in electronic format from WIPO at
 CC ftp.wipo.int/pub/published_pct_sequences

XX Sequence 13 BP; 8 A; 3 C; 0 G; 1 T; 0 U; 1 Other;

Query Match 12.9%; Score 9.4; DB 1; Length 13;
 Best Local Similarity 76.9%; Pred. No. 1.3e+03;
 Matches 10; Conservative 1; Mismatches 2; Indels 0; Gaps 0;

QY 910 TTCTTTGGTCTTT 922
 Db 13 TTATTGGTGTTT 1

RESULT 2105
 ID ABH56779 standard; DNA; 13 BP.

XX ABH56779;

XX 22-FEB-2002 (first entry)

DE Oligonucleotide SEQ ID NO 256756 for detecting SNP TSC0062519.

XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
 KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
 KW central nervous system; gastrointestinal; respiratory; immune; metabolic.

XX Homo sapiens.

PN WO200177384-A2.

XX 18-OCT-2001.

PF 06-APR-2001; 2001WO-IB000713.

PR 07-APR-2000; 2000DE-01019173.

XX (EPIG-) EPIGENOMICS AG.

PI Olek A, Piepenbrock C, Berlin K;

DR WPI; 2001-657177/75.

XX Set of oligonucleotides, useful for diagnosis and cell typing, is
 PT designed to detect single-nucleotide polymorphisms and cytosine
 PT methylation status.

XX Claim 1; SEQ ID NO 256756; 29pp + Sequence Listing; German.

XX This invention describes novel oligonucleotide primers or peptide nucleic
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
 CC and cytosine methylation status in chemically pretreated genomic DNA. The
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
 CC range of diseases including immune system, gastrointestinal, respiratory,
 CC central nervous system, cardiovascular and metabolic disorders. The
 CC oligomers are also used for detecting cell type differentiation. ABC00010
 CC -ABC9989, ABF00010-ABF9989, ABH00010-ABH9989 and ABI00010-ABI82073
 CC represent the oligomers described in the invention. NOTE: The sequence
 CC data for this patent did not form part of the printed specification, but
 CC was obtained in electronic format from WIPO at
 CC ftp.wipo.int/pub/published_pct_sequences

XX Sequence 13 BP; 2 A; 5 C; 0 G; 6 T; 0 U; 0 Other;

Query Match 12.9%; Score 9.4; DB 1; Length 13;
 Best Local Similarity 90.9%; Pred. No. 1.3e+03;
 Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 927 TTTATCCCTCC 937
 Db 2 TTTATCCCTTC 12

RESULT 2106
 ID ABC96214 standard; DNA; 13 BP.

XX

```
AC ABC96214;
XX
XX 21-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 96231 for detecting SNP TSC0023919.
XX
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
XX Homo sapiens.
XX
XX WO200177384-A2.
XX
XX 18-OCT-2001.
XX
XX 06-APR-2001; 2001WO-IB000713.
XX
XX 07-APR-2000; 2000DE-01019173.
XX
XX (EPIC-) EPIGENOMICS AG.
XX
XX Olek A, Piepenbrock C, Berlin K;
XX
XX WPI; 2001-657177/75.
XX
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
XX designed to detect single-nucleotide polymorphisms and cytosine
XX methylation status.
XX
XX Claim 1; SEQ ID NO 96231; 29pp + Sequence Listing; German.
XX
XX This invention describes novel oligonucleotide primers or peptide nucleic
XX acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
XX and cytosine methylation status in chemically pretreated genomic DNA. The
XX oligonucleotides are used for diagnosis and/or prognosis of cancer and a
XX range of diseases including immune system, gastrointestinal, respiratory,
XX central nervous system, cardiovascular and metabolic disorders. The
XX oligomers are also used for detecting cell type differentiation. ABC00010
XX -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
XX represent the oligomers described in the invention. NOTE: The sequence
XX data for this patent did not form part of the printed specification, but
XX was obtained in electronic format from WIPO at
XX ftp.wipo.int/pub/published_pct_sequences
XX
XX Sequence 13 BP; 0 A; 1 C; 5 G; 7 T; 0 U; 0 Other;
XX
XX Query Match 12.9%; Score 9.4; DB 1; Length 13;
XX Best Local Similarity 90.9%; Pred. No. 1.3e+03;
XX Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
XX
XX QY 909 TTTCTTTGGTC 919
XX 1 TTTGTTGGTC 11
XX
XX RESULT 2107
XX ABC21548/C
XX ID ABC21548 standard; DNA; 13 BP.
XX
XX AC ABC21548;
XX
XX 20-FEB-2002 (first entry)
XX
XX Oligonucleotide SEQ ID NO 21565 for detecting SNP TSC0004330.
XX
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
XX Homo sapiens.
XX
XX WO200177384-A2.
XX
XX 18-OCT-2001.
XX
XX 06-APR-2001; 2001WO-IB000713.
XX
XX 07-APR-2000; 2000DE-01019173.
XX
XX (EPIC-) EPIGENOMICS AG.
XX
XX Olek A, Piepenbrock C, Berlin K;
XX
XX WPI; 2001-657177/75.
XX
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
XX designed to detect single-nucleotide polymorphisms and cytosine
XX methylation status.
XX
XX Claim 1; SEQ ID NO 96231; 29pp + Sequence Listing; German.
XX
XX This invention describes novel oligonucleotide primers or peptide nucleic
XX acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
XX and cytosine methylation status in chemically pretreated genomic DNA. The
XX oligonucleotides are used for diagnosis and/or prognosis of cancer and a
XX range of diseases including immune system, gastrointestinal, respiratory,
XX central nervous system, cardiovascular and metabolic disorders. The
XX oligomers are also used for detecting cell type differentiation. ABC00010
XX -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
XX represent the oligomers described in the invention. NOTE: The sequence
XX data for this patent did not form part of the printed specification, but
XX was obtained in electronic format from WIPO at
XX ftp.wipo.int/pub/published_pct_sequences
XX
XX Sequence 13 BP; 0 A; 1 C; 5 G; 7 T; 0 U; 0 Other;
XX
XX Query Match 12.9%; Score 9.4; DB 1; Length 13;
XX Best Local Similarity 90.9%; Pred. No. 1.3e+03;
XX Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
XX
XX QY 909 TTTCTTTGGTC 919
XX 1 TTTGTTGGTC 11
XX
XX RESULT 2107
XX ABC21548/C
XX ID ABC21548 standard; DNA; 13 BP.
XX
XX AC ABC21548;
XX
XX 20-FEB-2002 (first entry)
XX
XX Oligonucleotide SEQ ID NO 21565 for detecting SNP TSC0004330.
XX
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
XX Homo sapiens.
XX
XX WO200177384-A2.
XX
XX 18-OCT-2001.
XX
XX 06-APR-2001; 2001WO-IB000713.
XX
XX 07-APR-2000; 2000DE-01019173.
XX
XX (EPIC-) EPIGENOMICS AG.
XX
XX Olek A, Piepenbrock C, Berlin K;
XX
XX WPI; 2001-657177/75.
XX
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
XX designed to detect single-nucleotide polymorphisms and cytosine
XX methylation status.
XX
XX Claim 1; SEQ ID NO 21565; 29pp + Sequence Listing; German.
XX
XX This invention describes novel oligonucleotide primers or peptide nucleic
XX acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
XX and cytosine methylation status in chemically pretreated genomic DNA. The
XX oligonucleotides are used for diagnosis and/or prognosis of cancer and a
XX range of diseases including immune system, gastrointestinal, respiratory,
XX central nervous system, cardiovascular and metabolic disorders. The
XX oligomers are also used for detecting cell type differentiation. ABC00010
XX -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
XX represent the oligomers described in the invention. NOTE: The sequence
XX data for this patent did not form part of the printed specification, but
XX was obtained in electronic format from WIPO at
XX ftp.wipo.int/pub/published_pct_sequences
XX
XX Sequence 13 BP; 7 A; 1 C; 5 G; 0 T; 0 U; 0 Other;
XX
XX Query Match 12.9%; Score 9.4; DB 1; Length 13;
XX Best Local Similarity 90.9%; Pred. No. 1.3e+03;
XX Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
XX
XX QY 912 CTTTGGTCCTTT 922
XX 12 CTTTGGTCCTTT 2
XX
XX RESULT 2108
XX ABC75195
XX ID ABC75195 standard; DNA; 13 BP.
XX
XX AC ABC75195;
XX
XX 21-FEB-2002 (first entry)
XX
XX Oligonucleotide SEQ ID NO 75212 for detecting SNP TSC0019305.
XX
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
XX Homo sapiens.
XX
XX WO200177384-A2.
XX
XX 18-OCT-2001.
XX
XX 06-APR-2001; 2001WO-IB000713.
XX
XX 07-APR-2000; 2000DE-01019173.
XX
XX (EPIC-) EPIGENOMICS AG.
XX
XX Olek A, Piepenbrock C, Berlin K;
XX
XX WPI; 2001-657177/75.
XX
```

PT Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.

XX Claim 1; SEQ ID NO 75212; 29pp + Sequence Listing; German.

XX This invention describes novel oligonucleotide primers or peptide nucleic
XX acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
XX and cytosine methylation status in chemically pretreated genomic DNA. The
XX oligonucleotides are used for diagnosis and/or prognosis of cancer and a
XX range of diseases including immune system, gastrointestinal, respiratory,
XX central nervous system, cardiovascular and metabolic disorders. The
XX oligomers are also used for detecting cell type differentiation. ABC00010
XX -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
XX represent the oligomers described in the invention. NOTE: The sequence
XX data for this patent did not form part of the printed specification, but
XX was obtained in electronic format from WIPO at
XX ftp.wipo.int/pub/published_pct_sequences

XX Sequence 13 BP; 1 A; 4 C; 0 G; 8 T; 0 U; 0 Other;

Query Match 12.9%; Score 9.4; DB 1; Length 13;

Best Local Similarity 90.9%; Pred. No. 1.3e+03;

Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 925 CTTTATCCCT 935

Db 3 CTTTATCCCT 13

RESULT 2109

ABC76824

ID ABC76824 standard; DNA; 13 BP.

XX ABC76824;

XX 21-FEB-2002 (first entry)

DE Oligonucleotide SEQ ID NO 76841 for detecting SNP TSC0019632.

XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX central nervous system; gastrointestinal; respiratory; immune; metabolic.

XX Homo sapiens.

XX WO200177384-A2.

XX 18-OCT-2001.

XX 06-APR-2001; 2001WO-IB000713.

XX 07-APR-2000; 2000DE-01019173.

XX (EPIG-) EPIGENOMICS AG.

XX Olek A, Piepenbrock C, Berlin K;

XX WPI; 2001-657177/75.

XX Set of oligonucleotides, useful for diagnosis and cell typing, is
XX designed to detect single-nucleotide polymorphisms and cytosine
XX methylation status.

XX Claim 1; SEQ ID NO 76841; 29pp + Sequence Listing; German.

XX This invention describes novel oligonucleotide primers or peptide nucleic
XX acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
XX and cytosine methylation status in chemically pretreated genomic DNA. The
XX oligonucleotides are used for diagnosis and/or prognosis of cancer and a
XX range of diseases including immune system, gastrointestinal, respiratory,
XX central nervous system, cardiovascular and metabolic disorders. The
XX oligomers are also used for detecting cell type differentiation. ABC00010

CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences

XX Sequence 13 BP; 2 A; 0 C; 3 G; 8 T; 0 U; 0 Other;

Query Match 12.9%; Score 9.4; DB 1; Length 13;

Best Local Similarity 90.9%; Pred. No. 1.3e+03;

Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 907 ATTTCTTTGG 917

Db 1 ATTTCTTTGG 11

RESULT 2110

ABC02656

ID ABC02656 standard; DNA; 13 BP.

XX ABC02656;

XX 20-FEB-2002 (first entry)

XX Oligonucleotide SEQ ID NO 2647 for detecting SNP TSC0001058.

XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX central nervous system; gastrointestinal; respiratory; immune; metabolic.

XX Homo sapiens.

XX WO200177384-A2.

XX 18-OCT-2001.

XX 06-APR-2001; 2001WO-IB000713.

XX 07-APR-2000; 2000DE-01019173.

XX (EPIG-) EPIGENOMICS AG.

XX Olek A, Piepenbrock C, Berlin K;

XX WPI; 2001-657177/75.

XX Set of oligonucleotides, useful for diagnosis and cell typing, is
XX designed to detect single-nucleotide polymorphisms and cytosine
XX methylation status.

XX Claim 1; SEQ ID NO 2647; 29pp + Sequence Listing; German.

XX This invention describes novel oligonucleotide primers or peptide nucleic
XX acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
XX and cytosine methylation status in chemically pretreated genomic DNA. The
XX oligonucleotides are used for diagnosis and/or prognosis of cancer and a
XX range of diseases including immune system, gastrointestinal, respiratory,
XX central nervous system, cardiovascular and metabolic disorders. The
XX oligomers are also used for detecting cell type differentiation. ABC00010
XX -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
XX represent the oligomers described in the invention. NOTE: The sequence
XX data for this patent did not form part of the printed specification, but
XX was obtained in electronic format from WIPO at
XX ftp.wipo.int/pub/published_pct_sequences

XX Sequence 13 BP; 3 A; 0 C; 3 G; 7 T; 0 U; 0 Other;

Query Match 12.9%; Score 9.4; DB 1; Length 13;

Best Local Similarity 90.9%; Pred. No. 1.3e+03;

Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 947 GTTATGTTAT 957


```

XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX Homo sapiens.
OS
XX WO200177384-A2.
PN
XX 18-OCT-2001.
PD
XX 06-APR-2001; 2001WO-IB000713.
PF
XX 07-APR-2000; 2000DE-01019173.
PR
XX (EPIG-) EPIGENOMICS AG.
PP
XX Olek A, Piepenbrock C, Berlin K;
PI
XX WPI; 2001-657177/75.
PD
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
PS
XX Claim 1; SEQ ID NO 52873; 29pp + Sequence Listing; German.
PS
XX This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC000010
CC -ABF99989, ABF00010-ABF9989, ABH00010-ABH9989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
XX ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 13 BP; 1 A; 0 C; 2 G; 9 T; 0 U; 1 Other;

Query Match 12.9%; Score 9.4; DB 1; Length 13;
Best Local Similarity 76.9%; Pred. No. 1.3e+03;
Matches 10; Conservative 1; Mismatches 2; Indels 0; Gaps 0;

QY 902 TGGTCATTTTCTT 914
Db 1 TGGTCATTTTCTT 13

RESULT 2113
ABF03498/C
ID ABF03498 standard; DNA; 13 BP.
XX AC ABF03498;
XX DT 21-FEB-2002 (first entry)
XX DE Oligonucleotide SEQ ID NO 103495 for detecting SNP TSC0025892.
XX KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX Homo sapiens.
OS
XX WO200177384-A2.
PN
XX 18-OCT-2001.
PD
XX 06-APR-2001; 2001WO-IE000713.
PF
XX
PP
XX

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PR 07-APR-2000; 2000DE-01019173.
XX (EPIG-) EPIGENOMICS AG.
PA Olek A, Piepenbrock C, Berlin K;
XX WPI; 2001-657177/75.
DR Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX Claim 1; SEQ ID NO 103495; 29pp + Sequence Listing; German.
XX This invention describes novel oligonucleotide primers or peptide nucleic
XX acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
XX and cytosine methylation status in chemically pretreated genomic DNA. The
XX oligonucleotides are used for diagnosis and/or prognosis of cancer and a
XX range of diseases including immune system, gastrointestinal, respiratory,
XX central nervous system, cardiovascular and metabolic disorders. The
XX oligomers are also used for detecting cell type differentiation. ABC00010
XX -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
XX represent the oligomers described in the invention. NOTE: The sequence
XX data for this patent did not form part of the printed specification, but
XX was obtained in electronic format from WIPO at
XX ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 13 BP; 4 A; 1 C; 4 G; 4 T; 0 U; 0 Other;
Query Match 12.9%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 1.3e+03;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
QY 960 CTACCAACGGT 970
DB 11 CTACCAACGGT 1
RESULT 2114
ABF03834
ID ABF03834 standard; DNA; 13 BP.
XX AC ABF03834;
XX 21-FEB-2002 (first entry)
XX Oligonucleotide SEQ ID NO 103831 for detecting SNP TSC0025972.
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX Homo sapiens.
XX WO200177384-A2.
XX 18-OCT-2001.
XX 06-APR-2001; 2001WO-IB000713.
XX 07-APR-2000; 2000DE-01019173.
XX (EPIG-) EPIGENOMICS AG.
XX Olek A, Piepenbrock C, Berlin K;
XX WPI; 2001-657177/75.
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
XX designed to detect single-nucleotide polymorphisms and cytosine
XX methylation status.
XX Claim 1; SEQ ID NO 103831; 29pp + Sequence Listing; German.
XX This invention describes novel oligonucleotide primers or peptide nucleic
XX acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
XX and cytosine methylation status in chemically pretreated genomic DNA. The
XX oligonucleotides are used for diagnosis and/or prognosis of cancer and a
XX range of diseases including immune system, gastrointestinal, respiratory,
XX central nervous system, cardiovascular and metabolic disorders. The
XX oligomers are also used for detecting cell type differentiation. ABC00010
XX -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
XX represent the oligomers described in the invention. NOTE: The sequence
XX data for this patent did not form part of the printed specification, but
XX was obtained in electronic format from WIPO at
XX ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 13 BP; 4 A; 1 C; 4 G; 4 T; 0 U; 0 Other;
Query Match 12.9%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 1.3e+03;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
QY 960 CTACCAACGGT 970
DB 11 CTACCAACGGT 1
RESULT 2115
ABF08289/C
ID ABF08289 standard; DNA; 13 BP.
XX AC ABF08289;
XX 21-FEB-2002 (first entry)
XX Oligonucleotide SEQ ID NO 108286 for detecting SNP TSC0027111.
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX Homo sapiens.
XX WO200177384-A2.
XX 18-OCT-2001.
XX 06-APR-2001; 2001WO-IB000713.
XX 07-APR-2000; 2000DE-01019173.
XX (EPIG-) EPIGENOMICS AG.
XX Olek A, Piepenbrock C, Berlin K;
XX WPI; 2001-657177/75.
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
XX designed to detect single-nucleotide polymorphisms and cytosine
XX methylation status.
XX Claim 1; SEQ ID NO 108286; 29pp + Sequence Listing; German.
XX This invention describes novel oligonucleotide primers or peptide nucleic
XX acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
XX and cytosine methylation status in chemically pretreated genomic DNA. The
XX oligonucleotides are used for diagnosis and/or prognosis of cancer and a
XX range of diseases including immune system, gastrointestinal, respiratory,
XX central nervous system, cardiovascular and metabolic disorders. The
XX oligomers are also used for detecting cell type differentiation. ABC00010
XX -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
XX represent the oligomers described in the invention. NOTE: The sequence
XX data for this patent did not form part of the printed specification, but
XX was obtained in electronic format from WIPO at
XX ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 13 BP; 0 A; 1 C; 4 G; 8 T; 0 U; 0 Other;
Query Match 12.9%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 1.3e+03;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
QY 909 TTTCTTTGGTC 919
DB 1 TTTCTTTGGTC 11
RESULT 2115
ABF08289/C
ID ABF08289 standard; DNA; 13 BP.
XX AC ABF08289;
XX 21-FEB-2002 (first entry)
XX Oligonucleotide SEQ ID NO 108286 for detecting SNP TSC0027111.
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX Homo sapiens.
XX WO200177384-A2.
XX 18-OCT-2001.
XX 06-APR-2001; 2001WO-IB000713.
XX 07-APR-2000; 2000DE-01019173.
XX (EPIG-) EPIGENOMICS AG.
XX Olek A, Piepenbrock C, Berlin K;
XX WPI; 2001-657177/75.
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
XX designed to detect single-nucleotide polymorphisms and cytosine
XX methylation status.
XX Claim 1; SEQ ID NO 108286; 29pp + Sequence Listing; German.
XX This invention describes novel oligonucleotide primers or peptide nucleic
XX acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
XX and cytosine methylation status in chemically pretreated genomic DNA. The
XX oligonucleotides are used for diagnosis and/or prognosis of cancer and a
XX range of diseases including immune system, gastrointestinal, respiratory,
XX central nervous system, cardiovascular and metabolic disorders. The
XX oligomers are also used for detecting cell type differentiation. ABC00010
XX -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
XX represent the oligomers described in the invention. NOTE: The sequence
XX data for this patent did not form part of the printed specification, but
XX was obtained in electronic format from WIPO at
XX ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 13 BP; 0 A; 1 C; 4 G; 8 T; 0 U; 0 Other;
Query Match 12.9%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 1.3e+03;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
QY 909 TTTCTTTGGTC 919
DB 1 TTTCTTTGGTC 11

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XX SQ Sequence 13 BP; 8 A; 4 C; 1 G; 0 T; 0 U; 0 Other;
Query Match 12.9%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 1.3e+03;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 908 TTTCTTTGGT 918
Db 12 TTTCTTTGGT 2

RESULT 2116
ABF09127/c
ID ABF09127 standard; DNA; 13 BP.
XX AC ABF09127;
XX DT 21-FEB-2002 (first entry)
XX DE Oligonucleotide SEQ ID NO 109124 for detecting SNP TSC0027313.
XX SN; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX OS Homo sapiens.
XX PN WO200177384-A2.
XX PD 18-OCT-2001.
XX DT 21-FEB-2002 (first entry)
XX DE Oligonucleotide SEQ ID NO 109124 for detecting SNP TSC0027313.
XX SN; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX OS Homo sapiens.
XX PN WO200177384-A2.
XX PD 18-OCT-2001.
XX PF 06-APR-2001; 2001WO-IB000713.
XX PR 07-APR-2000; 2000DE-01019173.
XX PA (EPITG-) EPIGENOMICS AG.
XX PI Olek A, Piepenbrock C, Berlin K;
XX DR WPI; 2001-657177/75.
XX PT Set of oligonucleotides, useful for diagnosis and cell typing, is
XX designed to detect single-nucleotide polymorphisms and cytosine
XX methylation status.
XX PS Claim 1; SEQ ID NO 109124; 29pp + Sequence Listing; German.
XX CC This invention describes novel oligonucleotide primers or peptide nucleic
XX acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
XX and cytosine methylation status in chemically pretreated genomic DNA. The
XX oligonucleotides are used for diagnosis and/or prognosis of cancer and a
XX range of diseases including immune system, gastrointestinal, respiratory,
XX central nervous system, cardiovascular and metabolic disorders. The
XX oligomers are also used for detecting cell type differentiation. ABC00010
XX -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
XX represent the oligomers described in the invention. NOTE: The sequence
XX data for this patent did not form part of the printed specification, but
XX was obtained in electronic format from WIPO at
XX ftp.wipo.int/pub/published_pct_sequences
XX SQ Sequence 13 BP; 6 A; 3 C; 0 G; 4 T; 0 U; 0 Other;
Query Match 12.9%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 1.3e+03;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 943 ATGGTTTAAAT 953
Db 13 ATAGGTTTAAAT 3

RESULT 2117
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ABF11072
ID ABF11072 standard; DNA; 13 BP.
XX AC ABF11072;
XX DT 21-FEB-2002 (first entry)
XX DE Oligonucleotide SEQ ID NO 111069 for detecting SNP TSC0027729.
XX SN; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX OS Homo sapiens.
XX PN WO200177384-A2.
XX PD 18-OCT-2001.
XX DT 06-APR-2001; 2001WO-IB000713.
XX PR 07-APR-2000; 2000DE-01019173.
XX PA (EPITG-) EPIGENOMICS AG.
XX PI Olek A, Piepenbrock C, Berlin K;
XX DR WPI; 2001-657177/75.
XX PT Set of oligonucleotides, useful for diagnosis and cell typing, is
XX designed to detect single-nucleotide polymorphisms and cytosine
XX methylation status.
XX PS Claim 1; SEQ ID NO 111069; 29pp + Sequence Listing; German.
XX CC This invention describes novel oligonucleotide primers or peptide nucleic
XX acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
XX and cytosine methylation status in chemically pretreated genomic DNA. The
XX oligonucleotides are used for diagnosis and/or prognosis of cancer and a
XX range of diseases including immune system, gastrointestinal, respiratory,
XX central nervous system, cardiovascular and metabolic disorders. The
XX oligomers are also used for detecting cell type differentiation. ABC00010
XX -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
XX represent the oligomers described in the invention. NOTE: The sequence
XX data for this patent did not form part of the printed specification, but
XX was obtained in electronic format from WIPO at
XX ftp.wipo.int/pub/published_pct_sequences
XX SQ Sequence 13 BP; 5 A; 0 C; 4 G; 4 T; 0 U; 0 Other;
Query Match 12.9%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 1.3e+03;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 946 GGTTTAAATGA 956
Db 1 GGTTTAAATGA 11

RESULT 2118
ABC16198
ID ABC16198 standard; DNA; 13 BP.
XX AC ABC16198;
XX DT 20-FEB-2002 (first entry)
XX DE Oligonucleotide SEQ ID NO 16205 for detecting SNP TSC0003545.
XX SN; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
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OS Homo sapiens.
XX WO200177384-A2.
XX 18-OCT-2001.
XX 06-APR-2001; 2001WO-IB000713.
XX 07-APR-2000; 2000DE-01019173.
XX (EPIG-) EPIGENOMICS AG.
XX Olek A, Piepenbrock C, Berlin K;
XX WPI; 2001-657177/75.
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX Claim 1; SEQ ID NO 16205; 29pp + Sequence Listing; German.
XX This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX Sequence 13 BP; 2 A; 0 C; 2 G; 9 T; 0 U; 0 Other;
XX Query Match 12.9%; Score 9.4; DB 1; Length 13;
XX Best Local Similarity 90.9%; Pred. No. 1.3e+03;
XX Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
OY 907 ATTTCCTTGG 917
DB 2 ATTTTCTTGG 12
RESULT 2119
ABC65326
ID ABC65326 standard; DNA; 13 BP.
XX AC ABC65326;
XX 21-FEB-2002 (first entry)
XX Oligonucleotide SEQ ID NO 65343 for detecting SNP TSC0017207.
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX Homo sapiens.
XX WO200177384-A2.
XX 18-OCT-2001.
XX 06-APR-2001; 2001WO-IB000713.
XX 07-APR-2000; 2000DE-01019173.
XX (EPIG-) EPIGENOMICS AG.
XX Olek A, Piepenbrock C, Berlin K;
XX WPI; 2001-657177/75.
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX Claim 1; SEQ ID NO 119664; 29pp + Sequence Listing; German.
XX This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX Sequence 13 BP; 2 A; 0 C; 2 G; 9 T; 0 U; 0 Other;
XX Query Match 12.9%; Score 9.4; DB 1; Length 13;
XX Best Local Similarity 90.9%; Pred. No. 1.3e+03;
XX Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
OY 907 ATTTCCTTGG 917
DB 2 ATTTTCTTGG 12

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XX WPI; 2001-657177/75.
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX Claim 1; SEQ ID NO 65343; 29pp + Sequence Listing; German.
XX This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX Sequence 13 BP; 2 A; 0 C; 2 G; 8 T; 0 U; 1 Other;
XX Query Match 12.9%; Score 9.4; DB 1; Length 13;
XX Best Local Similarity 90.9%; Pred. No. 1.3e+03;
XX Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
OY 941 TCATTGCTTTA 951
DB 1 TTATTGCTTTA 11
RESULT 2120
ABF19667/C
ID ABF19667 standard; DNA; 13 BP.
XX AC ABF19667;
XX 21-FEB-2002 (first entry)
XX Oligonucleotide SEQ ID NO 119664 for detecting SNP TSC0029865.
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX Homo sapiens.
XX WO200177384-A2.
XX 18-OCT-2001.
XX 06-APR-2001; 2001WO-IB000713.
XX 07-APR-2000; 2000DE-01019173.
XX (EPIG-) EPIGENOMICS AG.
XX Olek A, Piepenbrock C, Berlin K;
XX WPI; 2001-657177/75.
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX Claim 1; SEQ ID NO 119664; 29pp + Sequence Listing; German.
XX This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences

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CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 13 BP; 6 A; 4 C; 1 G; 2 T; 0 U; 0 Other;

Query Match 12.9%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 1.3e+03;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 907 ATTTCTTTGG 917
|||||
Db 12 ATTTCTTTGG 2

RESULT 2121
ABF22976
ID ABF22976 standard; DNA; 13 BP.

XX AC ABF22976;

XX DT 21-FEB-2002 (first entry)

XX DE Oligonucleotide SEQ ID NO 122973 for detecting SNP TSC0030741.

XX KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX central nervous system; gastrointestinal; respiratory; immune; metabolic.

XX OS Homo sapiens.

XX PN WO200177384-A2.

XX PD 18-OCT-2001.

XX PF 06-APR-2001; 2001WO-IB000713.

XX PR 07-APR-2000; 2000DE-01019173.

XX PA (EPIG-) EPIGENOMICS AG.

XX PI Olek A, Piepenbrock C, Berlin K;

XX WPI; 2001-657177/75.

XX PT Set of oligonucleotides, useful for diagnosis and cell typing, is
XX designed to detect single-nucleotide polymorphisms and cytosine
XX methylation status.

XX PS Claim 1; SEQ ID NO 122973; 29pp + Sequence Listing; German.

XX This invention describes novel oligonucleotide primers or peptide nucleic
XX acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
XX and cytosine methylation status in chemically pretreated genomic DNA. The
XX oligonucleotides are used for diagnosis and/or prognosis of cancer and a
XX range of diseases including immune system, gastrointestinal, respiratory,
XX central nervous system, cardiovascular and metabolic disorders. The
XX oligomers are also used for detecting cell type differentiation. ABC00010
XX -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
XX represent the oligomers described in the invention. NOTE: The sequence
XX data for this patent did not form part of the printed specification, but
XX was obtained in electronic format from WIPO at
XX ftp.wipo.int/pub/published_pct_sequences

XX SQ Sequence 13 BP; 2 A; 0 C; 2 G; 9 T; 0 U; 0 Other;

Query Match 12.9%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 1.3e+03;

Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
Qy 947 GTTTAATGAT 957
|||||
Db 1 GTTTAATGTT 11

RESULT 2122
ABF23069/c
ID ABF23069 standard; DNA; 13 BP.

XX AC ABF23069;

XX DT 21-FEB-2002 (first entry)

XX DE Oligonucleotide SEQ ID NO 123066 for detecting SNP TSC0030769.

XX KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX central nervous system; gastrointestinal; respiratory; immune; metabolic.

XX OS Homo sapiens.

XX PN WO200177384-A2.

XX PD 18-OCT-2001.

XX PF 06-APR-2001; 2001WO-IB000713.

XX PR 07-APR-2000; 2000DE-01019173.

XX PA (EPIG-) EPIGENOMICS AG.

XX PI Olek A, Piepenbrock C, Berlin K;

XX WPI; 2001-657177/75.

XX PT Set of oligonucleotides, useful for diagnosis and cell typing, is
XX designed to detect single-nucleotide polymorphisms and cytosine
XX methylation status.

XX PS Claim 1; SEQ ID NO 123066; 29pp + Sequence Listing; German.

XX This invention describes novel oligonucleotide primers or peptide nucleic
XX acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
XX and cytosine methylation status in chemically pretreated genomic DNA. The
XX oligonucleotides are used for diagnosis and/or prognosis of cancer and a
XX range of diseases including immune system, gastrointestinal, respiratory,
XX central nervous system, cardiovascular and metabolic disorders. The
XX oligomers are also used for detecting cell type differentiation. ABC00010
XX -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
XX represent the oligomers described in the invention. NOTE: The sequence
XX data for this patent did not form part of the printed specification, but
XX was obtained in electronic format from WIPO at
XX ftp.wipo.int/pub/published_pct_sequences

XX SQ Sequence 13 BP; 7 A; 4 C; 0 G; 2 T; 0 U; 0 Other;

Query Match 12.9%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 1.3e+03;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 944 TTGTTTAATG 954
|||||
Db 11 TTGTTTAATG 1

RESULT 2123
ABF25014/c
ID ABF25014 standard; DNA; 13 BP.

XX AC ABF25014;

DT 21-FEB-2002 (first entry)
 DE Oligonucleotide SEQ ID NO 125011 for detecting SNP TSC0031240.
 XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
 KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
 KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
 OS Homo sapiens.
 XX WO200177384-A2.
 PN 18-OCT-2001.
 PD 06-APR-2001; 2001WO-IB000713.
 XX 07-APR-2000; 2000DE-01019173.
 PR (EPIG-) EPIGENOMICS AG.
 XX Olek A, Piepenbrock C, Berlin K;
 PI WPI; 2001-657177/75.
 DR Set of oligonucleotides, useful for diagnosis and cell typing, is
 XX designed to detect single-nucleotide polymorphisms and cytosine
 PT methylation status.
 XX Claim 1; SEQ ID NO 125011; 29pp + Sequence Listing; German.
 XX This invention describes novel oligonucleotide primers or peptide nucleic
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
 CC and cytosine methylation status in chemically pretreated genomic DNA. The
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
 CC range of diseases including immune system, gastrointestinal, respiratory,
 CC central nervous system, cardiovascular and metabolic disorders. The
 CC oligomers are also used for detecting cell type differentiation. ABC00010
 CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
 CC represent the oligomers described in the invention. NOTE: The sequence
 CC data for this patent did not form part of the printed specification, but
 CC was obtained in electronic format from WIPO at
 CC ftp.wipo.int/pub/published_pct_sequences
 XX
 PS Claim 1; SEQ ID NO 125011; 29pp + Sequence Listing; German.
 XX This invention describes novel oligonucleotide primers or peptide nucleic
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
 CC and cytosine methylation status in chemically pretreated genomic DNA. The
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
 CC range of diseases including immune system, gastrointestinal, respiratory,
 CC central nervous system, cardiovascular and metabolic disorders. The
 CC oligomers are also used for detecting cell type differentiation. ABC00010
 CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
 CC represent the oligomers described in the invention. NOTE: The sequence
 CC data for this patent did not form part of the printed specification, but
 CC was obtained in electronic format from WIPO at
 CC ftp.wipo.int/pub/published_pct_sequences
 XX
 SQ Sequence 13 BP; 9 A; 0 C; 3 G; 1 T; 0 U; 0 Other;
 Query Match 12.9%; Score 9.4; DB 1; Length 13;
 Best Local Similarity 90.9%; Pred. No. 1.3e+03;
 Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
 QY 905 TCATTTCTTT 915
 DB 13 TCATTTCTTT 3
 RESULT 2124
 ABF27233/C
 ID ABF27233 standard; DNA; 13 BP.
 XX
 AC ABF27233;
 XX 21-FEB-2002 (first entry)
 DT Oligonucleotide SEQ ID NO 127230 for detecting SNP TSC0031843.
 DE SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
 XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
 KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
 XX Homo sapiens.
 OS WO200177384-A2.
 PN 18-OCT-2001.
 PD 06-APR-2001; 2001WO-IB000713.
 XX 07-APR-2000; 2000DE-01019173.
 PR (EPIG-) EPIGENOMICS AG.
 XX Olek A, Piepenbrock C, Berlin K;
 PI WPI; 2001-657177/75.
 DR Set of oligonucleotides, useful for diagnosis and cell typing, is
 XX designed to detect single-nucleotide polymorphisms and cytosine
 PT methylation status.
 XX Claim 1; SEQ ID NO 127230; 29pp + Sequence Listing; German.
 XX This invention describes novel oligonucleotide primers or peptide nucleic
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
 CC and cytosine methylation status in chemically pretreated genomic DNA. The
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
 CC range of diseases including immune system, gastrointestinal, respiratory,
 CC central nervous system, cardiovascular and metabolic disorders. The
 CC oligomers are also used for detecting cell type differentiation. ABC00010
 CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
 CC represent the oligomers described in the invention. NOTE: The sequence
 CC data for this patent did not form part of the printed specification, but
 CC was obtained in electronic format from WIPO at
 CC ftp.wipo.int/pub/published_pct_sequences
 XX
 SQ Sequence 13 BP; 9 A; 0 C; 3 G; 1 T; 0 U; 0 Other;
 Query Match 12.9%; Score 9.4; DB 1; Length 13;
 Best Local Similarity 90.9%; Pred. No. 1.3e+03;
 Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
 QY 905 TCATTTCTTT 915
 DB 13 TCATTTCTTT 3
 RESULT 2124
 ABF27233/C
 ID ABF27233 standard; DNA; 13 BP.
 XX
 AC ABF27233;
 XX 21-FEB-2002 (first entry)
 DT Oligonucleotide SEQ ID NO 134392 for detecting SNP TSC0033498.
 DE SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
 KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
 KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
 XX Homo sapiens.
 OS WO200177384-A2.
 PN 18-OCT-2001.
 PD 06-APR-2001; 2001WO-IB000713.
 XX 07-APR-2000; 2000DE-01019173.
 PR (EPIG-) EPIGENOMICS AG.
 XX Olek A, Piepenbrock C, Berlin K;
 PI WPI; 2001-657177/75.
 DR Set of oligonucleotides, useful for diagnosis and cell typing, is
 XX designed to detect single-nucleotide polymorphisms and cytosine
 PT methylation status.
 XX Claim 1; SEQ ID NO 127230; 29pp + Sequence Listing; German.
 XX This invention describes novel oligonucleotide primers or peptide nucleic
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
 CC and cytosine methylation status in chemically pretreated genomic DNA. The
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
 CC range of diseases including immune system, gastrointestinal, respiratory,
 CC central nervous system, cardiovascular and metabolic disorders. The
 CC oligomers are also used for detecting cell type differentiation. ABC00010
 CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
 CC represent the oligomers described in the invention. NOTE: The sequence
 CC data for this patent did not form part of the printed specification, but
 CC was obtained in electronic format from WIPO at
 CC ftp.wipo.int/pub/published_pct_sequences
 XX
 SQ Sequence 13 BP; 5 A; 4 C; 1 G; 3 T; 0 U; 0 Other;
 Query Match 12.9%; Score 9.4; DB 1; Length 13;
 Best Local Similarity 90.9%; Pred. No. 1.3e+03;
 Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
 QY 942 CATTGCTTTAA 952
 DB 12 CGTTGCTTTAA 2
 RESULT 2125
 ABF34395
 ID ABF34395 standard; DNA; 13 BP.
 XX
 AC ABF34395;
 XX 21-FEB-2002 (first entry)
 DT Oligonucleotide SEQ ID NO 134392 for detecting SNP TSC0033498.
 DE SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
 KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
 KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
 XX Homo sapiens.
 OS WO200177384-A2.
 PN 18-OCT-2001.
 PD 06-APR-2001; 2001WO-IB000713.
 XX 07-APR-2000; 2000DE-01019173.
 PR (EPIG-) EPIGENOMICS AG.
 XX Olek A, Piepenbrock C, Berlin K;
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 QY 942 CATTGCTTTAA 952
 DB 12 CGTTGCTTTAA 2
 RESULT 2125
 ABF34395
 ID ABF34395 standard; DNA; 13 BP.
 XX
 AC ABF34395;
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 DE SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
 KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
 KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
 XX Homo sapiens.
 OS WO200177384-A2.
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XX
SQ Sequence 13 BP; 2 A; 3 C; 0 G; 8 T; 0 U; 0 Other;

Query Match 12.9%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 1.3e+03;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 921 TTGCTTTTAT 931
Db 3 TTTCCTTTTAT 13

RESULT 2126
ABF36953/C
ID ABF36953 standard; DNA; 13 BP.
XX AC ABF36953;
XX
DT 21-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 136950 for detecting SNP TSC0034226.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIC-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
DR WPI; 2001-657177/75.
XX
PT Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
PS Claim 1; SEQ ID NO 136950; 29pp + Sequence Listing; German.
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
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XX
SQ Sequence 13 BP; 7 A; 3 C; 0 G; 3 T; 0 U; 0 Other;

Query Match 12.9%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 1.3e+03;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 947 GTTTAATGTAT 957
Db 12 GTTTAATGTAT 2

RESULT 2127
ABF72081
ID ABF72081 standard; DNA; 13 BP.
XX AC ABF72081;
XX
DT 22-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 172078 for detecting SNP TSC0005766.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIC-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
DR WPI; 2001-657177/75.
XX
PT Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
PS Claim 1; SEQ ID NO 172078; 29pp + Sequence Listing; German.
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
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CC range of diseases including immune system, gastrointestinal, respiratory,
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SQ Sequence 13 BP; 1 A; 3 C; 0 G; 9 T; 0 U; 0 Other;

Query Match 12.9%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 1.3e+03;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 921 TTGCTTTTAT 931
Db 2 TTTCCTTTTAT 12

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RESULT 2128
ABF97140
ID ABF97140 standard; DNA; 13 BP.
XX
AC ABF97140;
XX
XX 22-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 197137 for detecting SNP TSC0048522.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
XX WO200177384-A2.
XX
PD 18-OCT-2001.
XX
DT 22-FEB-2002 (first entry)
XX
XX Oligonucleotide SEQ ID NO 197137 for detecting SNP TSC0048522.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
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XX WO200177384-A2.
XX
PD 18-OCT-2001.
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PF 06-APR-2001; 2001WO-IB000713.
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XX 07-APR-2000; 2000DE-01019173.
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PA (EPIC-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
XX WPI; 2001-657177/75.
XX
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
XX designed to detect single-nucleotide polymorphisms and cytosine
XX methylation status.
XX
XX Claim 1; SEQ ID NO 197137; 29pp + Sequence Listing; German.
XX
XX This invention describes novel oligonucleotide primers or peptide nucleic
XX acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
XX and cytosine methylation status in chemically pretreated genomic DNA. The
XX oligonucleotides are used for diagnosis and/or prognosis of cancer and a
XX range of diseases including immune system, gastrointestinal, respiratory,
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XX -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and AB100010-AB182073
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XX Sequence 13 BP; 3 A; 0 C; 5 G; 5 T; 0 U; 0 Other;
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XX
XX Query Match 12.9%; Score 9.4; DB 1; Length 13;
XX Best Local Similarity 90.9%; Pred. No. 1.3e+03;
XX Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
XX
XX 944 TTGGTTTAATG 954
XX 2 TTGGTTTAATG 12
XX
RESULT 2129
ABF97141/C
ID ABF97141 standard; DNA; 13 BP.
XX
AC ABF97141;
XX
XX 22-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 197138 for detecting SNP TSC0048522.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
XX WO200177384-A2.
XX
PD 18-OCT-2001.
XX
DT 22-FEB-2002 (first entry)
XX
XX Oligonucleotide SEQ ID NO 173550 for detecting SNP TSC0006326.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
XX WO200177384-A2.
XX
PD 18-OCT-2001.
XX
XX 06-APR-2001; 2001WO-IB000713.
XX
XX 07-APR-2000; 2000DE-01019173.
XX
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX central nervous system; gastrointestinal; respiratory; immune; metabolic.

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KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
XX WO200177384-A2.
XX
PD 18-OCT-2001.
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XX 06-APR-2001; 2001WO-IB000713.
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XX 07-APR-2000; 2000DE-01019173.
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PA (EPIC-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
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XX WPI; 2001-657177/75.
XX
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
XX designed to detect single-nucleotide polymorphisms and cytosine
XX methylation status.
XX
XX Claim 1; SEQ ID NO 197138; 29pp + Sequence Listing; German.
XX
XX This invention describes novel oligonucleotide primers or peptide nucleic
XX acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
XX and cytosine methylation status in chemically pretreated genomic DNA. The
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XX -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and AB100010-AB182073
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XX Sequence 13 BP; 5 A; 5 C; 0 G; 3 T; 0 U; 0 Other;
XX
XX Query Match 12.9%; Score 9.4; DB 1; Length 13;
XX Best Local Similarity 90.9%; Pred. No. 1.3e+03;
XX Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
XX
XX 944 TTGGTTTAATG 954
XX 12 TTGGTTTAATG 2
XX
RESULT 2130
ABF73553
ID ABF73553 standard; DNA; 13 BP.
XX
AC ABF73553;
XX
XX 22-FEB-2002 (first entry)
XX
XX Oligonucleotide SEQ ID NO 173550 for detecting SNP TSC0006326.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
XX WO200177384-A2.
XX
PD 18-OCT-2001.
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XX 06-APR-2001; 2001WO-IB000713.
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XX 07-APR-2000; 2000DE-01019173.
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XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
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SQ Sequence 13 BP; 3 A; 4 C; 0 G; 6 T; 0 U; 0 Other;

Query Match 12.9%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. NO. 1.3e+03;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 934 CTCCTCTTCAT 944
DB 2 CTCCTCTTCAT 12

RESULT 2131
ID ABH01943 standard; DNA; 13 BP.
XX AC ABH01943;
XX 22-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 201920 for detecting SNP TSC0049639.
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX Homo sapiens.
XX WO200177384-A2.
XX 18-OCT-2001.
XX 06-APR-2001; 2001WO-IB000713.
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XX (EPIG-) EPIGENOMICS AG.
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CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and AB100010-AB182073
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Query Match 12.9%; Score 9.4; DB 1; Length 13;
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Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 934 CTCCTCTTCAT 944
DB 2 CTCCTCTTCAT 12

RESULT 2131
ID ABH01943 standard; DNA; 13 BP.
XX AC ABH01943;
XX 22-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 201920 for detecting SNP TSC0049639.
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX Homo sapiens.
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SQ Sequence 13 BP; 3 A; 4 C; 0 G; 6 T; 0 U; 0 Other;

Query Match 12.9%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. NO. 1.3e+03;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 948 TTTAATATATC 958
DB 1 TTTAATATATC 11

RESULT 2132
ID ABH01944/C
XX AC ABH01944;
XX 22-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 201921 for detecting SNP TSC0049639.
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX Homo sapiens.
XX WO200177384-A2.
XX 18-OCT-2001.
XX 06-APR-2001; 2001WO-IB000713.
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CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and AB100010-AB182073
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XX
SQ Sequence 13 BP; 7 A; 0 C; 2 G; 4 T; 0 U; 0 Other;

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Query Match      12.9%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 1.3e+03;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 948 TTTAATGTCATC 958
DB 13 TTTAATGTCATC 3

RESULT 2133
ABF77492
ID ABF77492 standard; DNA; 13 BP.
AC ABF77492;
XX
XX
DT 22-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 177489 for detecting SNP TSC0044012.
XX
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
XX Homo sapiens.
XX
XX WO200177384-A2.
XX
XX 18-OCT-2001.
XX
XX 06-APR-2001; 2001WO-IB0000713.
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XX 07-APR-2000; 2000DE-01019173.
XX
XX (EPIG-) EPIGENOMICS AG.
XX
XX Olek A, Piepenbrock C, Berlin K;
XX
XX WPI; 2001-657177/75.
XX
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
XX designed to detect single-nucleotide polymorphisms and cytosine
XX methylation status.
XX
XX Claim 1; SEQ ID NO 177489; 29pp + Sequence Listing; German.
XX
XX This invention describes novel oligonucleotide primers or peptide nucleic
XX acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
XX and cytosine methylation status in chemically pretreated genomic DNA. The
XX oligonucleotides are used for diagnosis and/or prognosis of cancer and a
XX range of diseases including immune system, gastrointestinal, respiratory,
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XX range of diseases including immune system, gastrointestinal, respiratory,
XX central nervous system, cardiovascular and metabolic disorders. The
XX oligomers are also used for detecting cell type differentiation. ABC00010
XX -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
XX represent the oligomers described in the invention. NOTE: The sequence
XX data for this patent did not form part of the printed specification, but
XX was obtained in electronic format from WIPO at
XX ftp.wipo.int/pub/published_pct_sequences
XX
XX Query Match      12.9%; Score 9.4; DB 1; Length 13;
XX Best Local Similarity 90.9%; Pred. No. 1.3e+03;
XX Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 908 TTTTCTTTCGT 918
DB 3 TTTTCTTTCGT 13

RESULT 2134
ABH28110
ID ABH28110 standard; DNA; 13 BP.

```

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XX ABH28110;
XX AC
XX DT 22-FEB-2002 (first entry)
XX XX
XX DE Oligonucleotide SEQ ID NO 228087 for detecting SNP TSC0055622.
XX XX
XX KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
XX OS Homo sapiens.
XX
XX PN WO200177384-A2.
XX
XX XX
XX PD 18-OCT-2001.
XX
XX PF 06-APR-2001; 2001WO-IB0000713.
XX
XX PR 07-APR-2000; 2000DE-01019173.
XX
XX PA (EPIG-) EPIGENOMICS AG.
XX
XX PI Olek A, Piepenbrock C, Berlin K;
XX
XX DR WPI; 2001-657177/75.
XX
XX PT Set of oligonucleotides, useful for diagnosis and cell typing, is
XX designed to detect single-nucleotide polymorphisms and cytosine
XX methylation status.
XX
XX PS Claim 1; SEQ ID NO 228087; 29pp + Sequence Listing; German.
XX
XX CC This invention describes novel oligonucleotide primers or peptide nucleic
XX acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
XX and cytosine methylation status in chemically pretreated genomic DNA. The
XX oligonucleotides are used for diagnosis and/or prognosis of cancer and a
XX range of diseases including immune system, gastrointestinal, respiratory,
XX central nervous system, cardiovascular and metabolic disorders. The
XX oligomers are also used for detecting cell type differentiation. ABC00010
XX -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
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XX data for this patent did not form part of the printed specification, but
XX was obtained in electronic format from WIPO at
XX ftp.wipo.int/pub/published_pct_sequences
XX
XX SQ Sequence 13 BP; 4 A; 0 C; 3 G; 6 T; 0 U; 0 Other;
XX
XX Query Match      12.9%; Score 9.4; DB 1; Length 13;
XX Best Local Similarity 90.9%; Pred. No. 1.3e+03;
XX Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 943 ATTGGTTTAAAT 953
DB 3 ATTGGTTTAAAT 13

RESULT 2135
ABH03166
ID ABH03166 standard; DNA; 13 BP.
XX
XX AC ABH03166;
XX
XX DT 22-FEB-2002 (first entry)
XX
XX DE Oligonucleotide SEQ ID NO 203143 for detecting SNP TSC0049888.
XX
XX KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
XX OS Homo sapiens.
XX
XX XX

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PN WO200177384-A2.
XX
XX
PD 18-OCT-2001.
XX
XX
PF 06-APR-2001; 2001WO-IB000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIG-) EPIGENOMICS AG.
XX
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
DR WPI; 2001-657177/75.
XX
PT Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
XX
PS Claim 1; SEQ ID NO 203143; 29pp + Sequence Listing; German.
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABG9989, ABF00010-ABF9989, ABH00010-ABH9989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 13 BP; 0 A; 1 C; 4 G; 8 T; 0 U; 0 Other;
Query Match 12.9%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 1.3e+03;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
QY 940 TTCATTGTTT 950
Db 1 TTCATTGTTT 11
RESULT 2136
ABF79263/C
ID ABF79263 standard; DNA; 13 BP.
XX
XX
AC ABF79263;
XX
DT 22-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 179260 for detecting SNP TSC0044381.
XX
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIG-) EPIGENOMICS AG.
XX
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
DR WPI; 2001-657177/75.
XX
PT Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
XX
PS Claim 1; SEQ ID NO 205980; 29pp + Sequence Listing; German.
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABG9989, ABF00010-ABF9989, ABH00010-ABH9989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 13 BP; 0 A; 1 C; 4 G; 8 T; 0 U; 0 Other;
Query Match 12.9%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 1.3e+03;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
QY 940 TTCATTGTTT 950
Db 1 TTCATTGTTT 11
RESULT 2137
ABH06003/C
ID ABH06003 standard; DNA; 13 BP.
XX
XX
AC ABH06003;
XX
DT 22-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 205980 for detecting SNP TSC0050473.
XX
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIG-) EPIGENOMICS AG.
XX
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
DR WPI; 2001-657177/75.
XX
PT Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
XX
PS Claim 1; SEQ ID NO 205980; 29pp + Sequence Listing; German.
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABG9989, ABF00010-ABF9989, ABH00010-ABH9989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 13 BP; 6 A; 4 C; 0 G; 3 T; 0 U; 0 Other;
Query Match 12.9%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 1.3e+03;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
QY 941 TCATTGTTT 951
Db 12 TCATTGTTT 2

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CC oligomers are also used for detecting cell type differentiation. ABC00010
 CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
 CC represent the oligomers described in the invention. NOTE: The sequence
 CC data for this patent did not form part of the printed specification, but
 CC was obtained in electronic format from WIPO at
 CC ftp.wipo.int/pub/published_pct_sequences
 XX
 SQ Sequence 13 BP; 6 A; 4 C; 1 G; 2 T; 0 U; 0 Other;
 Query Match 12.9%; Score 9.4; DB 1; Length 13;
 Best Local Similarity 90.9%; Pred. No. 1.3e+03;
 Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
 OY 949 TTAATGATCG 959
 DB 12 TTAATGATCG 2
 RESULT 2138
 ABF82588
 ID ABF82588 standard; DNA; 13 BP.
 AC
 AC ABF82588;
 XX
 DT 22-FEB-2002 (first entry)
 DE Oligonucleotide SEQ ID NO 182585 for detecting SNP TSC0045131.
 XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
 KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
 KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
 XX
 OS Homo sapiens.
 XX
 PN WO200177384-A2.
 XX
 PD 18-OCT-2001.
 XX
 PF 06-APR-2001; 2001WO-IB000713.
 XX
 PR 07-APR-2000; 2000DE-01019173.
 XX
 PA (EPIG-) EPIGENOMICS AG.
 XX
 PI Olek A, Piepenbrock C, Berlin K;
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 DR WPI; 2001-657177/75.
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 PR 07-APR-2000; 2000DE-01019173.
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 PA (EPIG-) EPIGENOMICS AG.
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 PI Olek A, Piepenbrock C, Berlin K;
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 DR WPI; 2001-657177/75.
 XX
 PT Set of oligonucleotides, useful for diagnosis and cell typing, is
 PT designed to detect single-nucleotide polymorphisms and cytosine
 PT methylation status.
 XX
 PS Claim 1; SEQ ID NO 182585; 29pp + Sequence Listing; German.
 XX
 CC This invention describes novel oligonucleotide primers or peptide nucleic
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
 CC and cytosine methylation status in chemically pretreated genomic DNA. The
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
 CC range of diseases including immune system, gastrointestinal, respiratory,
 CC central nervous system, cardiovascular and metabolic disorders. The
 CC oligomers are also used for detecting cell type differentiation. ABC00010
 CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
 CC represent the oligomers described in the invention. NOTE: The sequence
 CC data for this patent did not form part of the printed specification, but
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 SQ Sequence 13 BP; 2 A; 1 C; 4 G; 6 T; 0 U; 0 Other;
 Query Match 12.9%; Score 9.4; DB 1; Length 13;
 Best Local Similarity 90.9%; Pred. No. 1.3e+03;
 Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
 OY 949 TTAATGATCG 959
 DB 12 TTAATGATCG 2
 RESULT 2138
 ABF82588
 ID ABF82588 standard; DNA; 13 BP.
 AC
 AC ABF82588;
 XX
 DT 22-FEB-2002 (first entry)
 DE Oligonucleotide SEQ ID NO 182585 for detecting SNP TSC0045131.
 XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
 KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
 KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
 XX
 OS Homo sapiens.
 XX
 PN WO200177384-A2.
 XX
 PD 18-OCT-2001.
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 PF 06-APR-2001; 2001WO-IB000713.
 XX
 PR 07-APR-2000; 2000DE-01019173.
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 FN WO200177384-A2.
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 PF 06-APR-2001; 2001WO-IB000713.
 XX
 PR 07-APR-2000; 2000DE-01019173.
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 PI Olek A, Piepenbrock C, Berlin K;
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 DR WPI; 2001-657177/75.
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 PT methylation status.
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 PS Claim 1; SEQ ID NO 182585; 29pp + Sequence Listing; German.
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 CC This invention describes novel oligonucleotide primers or peptide nucleic
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
 CC and cytosine methylation status in chemically pretreated genomic DNA. The
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
 CC range of diseases including immune system, gastrointestinal, respiratory,
 CC central nervous system, cardiovascular and metabolic disorders. The
 CC oligomers are also used for detecting cell type differentiation. ABC00010
 CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
 CC represent the oligomers described in the invention. NOTE: The sequence
 CC data for this patent did not form part of the printed specification, but
 CC was obtained in electronic format from WIPO at
 CC ftp.wipo.int/pub/published_pct_sequences
 XX
 SQ Sequence 13 BP; 2 A; 1 C; 4 G; 6 T; 0 U; 0 Other;
 Query Match 12.9%; Score 9.4; DB 1; Length 13;
 Best Local Similarity 90.9%; Pred. No. 1.3e+03;
 Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

OY 907 ATTTCCTTGG 917
 DB 1 ATTTCCTTGG 11
 RESULT 2139
 ABH32808/c
 ID ABH32808 standard; DNA; 13 BP.
 XX
 AC ABH32808;
 XX
 DT 22-FEB-2002 (first entry)
 DE Oligonucleotide SEQ ID NO 232785 for detecting SNP TSC0056790.
 XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
 KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
 KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
 XX
 OS Homo sapiens.
 XX
 PN WO200177384-A2.
 XX
 PD 18-OCT-2001.
 XX
 PF 06-APR-2001; 2001WO-IB000713.
 XX
 PR 07-APR-2000; 2000DE-01019173.
 XX
 PA (EPIG-) EPIGENOMICS AG.
 XX
 PI Olek A, Piepenbrock C, Berlin K;
 XX
 DR WPI; 2001-657177/75.
 XX
 FN WO200177384-A2.
 XX
 PD 18-OCT-2001.
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 PF 06-APR-2001; 2001WO-IB000713.
 XX
 PR 07-APR-2000; 2000DE-01019173.
 XX
 PA (EPIG-) EPIGENOMICS AG.
 XX
 PI Olek A, Piepenbrock C, Berlin K;
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 DR WPI; 2001-657177/75.
 XX
 PT Set of oligonucleotides, useful for diagnosis and cell typing, is
 PT designed to detect single-nucleotide polymorphisms and cytosine
 PT methylation status.
 XX
 PS Claim 1; SEQ ID NO 232785; 29pp + Sequence Listing; German.
 XX
 CC This invention describes novel oligonucleotide primers or peptide nucleic
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
 CC and cytosine methylation status in chemically pretreated genomic DNA. The
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
 CC range of diseases including immune system, gastrointestinal, respiratory,
 CC central nervous system, cardiovascular and metabolic disorders. The
 CC oligomers are also used for detecting cell type differentiation. ABC00010
 CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
 CC represent the oligomers described in the invention. NOTE: The sequence
 CC data for this patent did not form part of the printed specification, but
 CC was obtained in electronic format from WIPO at
 CC ftp.wipo.int/pub/published_pct_sequences
 XX
 SQ Sequence 13 BP; 4 A; 0 C; 5 G; 4 T; 0 U; 0 Other;
 Query Match 12.9%; Score 9.4; DB 1; Length 13;
 Best Local Similarity 90.9%; Pred. No. 1.3e+03;
 Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
 OY 924 CCTTTATATCC 934
 DB 12 CCTTTATATCC 2
 RESULT 2140
 ABF58981
 ID ABF58981 standard; DNA; 13 BP.
 XX
 AC ABF58981;
 XX
 DT 21-FEB-2002 (first entry)
 DE Oligonucleotide SEQ ID NO 232785 for detecting SNP TSC0056790.
 XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
 KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
 KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
 XX
 OS Homo sapiens.
 XX
 PN WO200177384-A2.
 XX
 PD 18-OCT-2001.
 XX
 PF 06-APR-2001; 2001WO-IB000713.
 XX
 PR 07-APR-2000; 2000DE-01019173.
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 PA (EPIG-) EPIGENOMICS AG.
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 PI Olek A, Piepenbrock C, Berlin K;
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 PF 06-APR-2001; 2001WO-IB000713.
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 PR 07-APR-2000; 2000DE-01019173.
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 PI Olek A, Piepenbrock C, Berlin K;
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 DR WPI; 2001-657177/75.
 XX
 PT Set of oligonucleotides, useful for diagnosis and cell typing, is
 PT designed to detect single-nucleotide polymorphisms and cytosine
 PT methylation status.
 XX
 PS Claim 1; SEQ ID NO 232785; 29pp + Sequence Listing; German.
 XX
 CC This invention describes novel oligonucleotide primers or peptide nucleic
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
 CC and cytosine methylation status in chemically pretreated genomic DNA. The
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
 CC range of diseases including immune system, gastrointestinal, respiratory,
 CC central nervous system, cardiovascular and metabolic disorders. The
 CC oligomers are also used for detecting cell type differentiation. ABC00010
 CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
 CC represent the oligomers described in the invention. NOTE: The sequence
 CC data for this patent did not form part of the printed specification, but
 CC was obtained in electronic format from WIPO at
 CC ftp.wipo.int/pub/published_pct_sequences
 XX
 SQ Sequence 13 BP; 4 A; 0 C; 5 G; 4 T; 0 U; 0 Other;
 Query Match 12.9%; Score 9.4; DB 1; Length 13;
 Best Local Similarity 90.9%; Pred. No. 1.3e+03;
 Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

DE Oligonucleotide SEQ ID NO 158978 for detecting SNP TSC0040030.
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX Homo sapiens.
XX WO200177384-A2.
XX 18-OCT-2001.
XX 06-APR-2001; 2001WO-IB000713.
XX 07-APR-2000; 2000DE-01019173.
XX (EPIG-) EPIGENOMICS AG.
XX Olek A, Piepenbrock C, Berlin K;
XX WPI; 2001-657177/75.
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX Claim 1; SEQ ID NO 158978; 29pp + Sequence Listing; German.
XX This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABG9989, ABF0010-ABF9989, ABH0010-ABH9989 and ABI0010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX Sequence 13 BP; 1 A; 6 C; 0 G; 6 T; 0 U; 0 Other;
XX Query Match 12.9%; Score 9.4; DB 1; Length 13;
XX Best Local Similarity 90.9%; Pred. No. 1.3e+03;
XX Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
QY 931 TCCCTCCCTCTT 941
Db 1 TCTCTCCCTTT 11
RESULT 2141
ABF63910
ID ABF63910 standard; DNA; 13 BP.
XX AC ABF63910;
XX 22-FEB-2002 (first entry)
DE Oligonucleotide SEQ ID NO 163907 for detecting SNP TSC0041159.
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX Homo sapiens.
XX WO200177384-A2.
XX 18-OCT-2001.
XX 06-APR-2001; 2001WO-IB000713.

XX 07-APR-2000; 2000DE-01019173.
XX (EPIG-) EPIGENOMICS AG.
XX Olek A, Piepenbrock C, Berlin K;
XX WPI; 2001-657177/75.
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX Claim 1; SEQ ID NO 163907; 29pp + Sequence Listing; German.
XX This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABG9989, ABF0010-ABF9989, ABH0010-ABH9989 and ABI0010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX Sequence 13 BP; 3 A; 0 C; 2 G; 8 T; 0 U; 0 Other;
XX Query Match 12.9%; Score 9.4; DB 1; Length 13;
XX Best Local Similarity 90.9%; Pred. No. 1.3e+03;
XX Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
QY 943 ATTGTTTAAAT 953
Db 3 ATTGTTTAAAT 13
RESULT 2142
ABH41303/C
ID ABH41303 standard; DNA; 13 BP.
XX AC ABH41303;
XX 22-FEB-2002 (first entry)
DE Oligonucleotide SEQ ID NO 241280 for detecting SNP TSC0058852.
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX Homo sapiens.
XX WO200177384-A2.
XX 18-OCT-2001.
XX 06-APR-2001; 2001WO-IB000713.
XX 07-APR-2000; 2000DE-01019173.
XX (EPIG-) EPIGENOMICS AG.
XX Olek A, Piepenbrock C, Berlin K;
XX WPI; 2001-657177/75.
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX

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PS Claim 1; SEQ ID NO 241280; 29pp + Sequence Listing; German.
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
XX ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 13 BP; 4 A; 4 C; 0 G; 5 T; 0 U; 0 Other;
Query Match 12.9%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 1.3e+03;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 946 GGTTTAATGTA 956
DB 11 GGATTAATGTA 1

RESULT 2143
ABH42158/c
ID ABH42158 standard; DNA; 13 BP.
XX
AC ABH42158;
XX
XX 22-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 242135 for detecting SNP TSC0059061.
XX
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
XX Homo sapiens.
XX
XX WO200177384-A2.
XX
XX 18-OCT-2001.
XX
XX 22-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 242135 for detecting SNP TSC0059061.
XX
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
XX Homo sapiens.
XX
XX WO200177384-A2.
XX
XX 18-OCT-2001.
XX
XX 06-APR-2001; 2001WO-IB000713.
XX
XX 07-APR-2000; 2000DE-01019173.
XX
XX (EPIG-) EPIGENOMICS AG.
XX
XX Olek A, Piepenbrock C, Berlin K;
XX
XX WPI; 2001-657177/75.
XX
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
XX designed to detect single-nucleotide polymorphisms and cytosine
XX methylation status.
XX
XX Claim 1; SEQ ID NO 242135; 29pp + Sequence Listing; German.
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
XX ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 13 BP; 4 A; 4 C; 0 G; 5 T; 0 U; 0 Other;
Query Match 12.9%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 1.3e+03;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 946 GGTTTAATGTA 956
DB 11 GGATTAATGTA 1

RESULT 2144
ABH17225/c
ID ABH17225 standard; DNA; 13 BP.
XX
AC ABH17225;
XX
XX 22-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 217202 for detecting SNP TSC0052794.
XX
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
XX Homo sapiens.
XX
XX WO200177384-A2.
XX
XX 18-OCT-2001.
XX
XX 06-APR-2001; 2001WO-IB000713.
XX
XX 07-APR-2000; 2000DE-01019173.
XX
XX (EPIG-) EPIGENOMICS AG.
XX
XX Olek A, Piepenbrock C, Berlin K;
XX
XX WPI; 2001-657177/75.
XX
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
XX designed to detect single-nucleotide polymorphisms and cytosine
XX methylation status.
XX
XX Claim 1; SEQ ID NO 217202; 29pp + Sequence Listing; German.
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
XX ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 13 BP; 6 A; 4 C; 0 G; 3 T; 0 U; 0 Other;
Query Match 12.9%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 1.3e+03;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 946 GGTTTAATGTA 956
DB 13 GGTTTATGTA 3

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RESULT 2145
ABH53442
ID ABH53442 standard; DNA; 13 BP.
XX AC
XX AC
XX AC
DE 22-FEB-2002 (first entry)
DE Oligonucleotide SEQ ID NO 253419 for detecting SNP TSC0061816.
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX central nervous system; gastrointestinal; respiratory; immune; metabolic.
OS Homo sapiens.
XX WO200177384-A2.
XX EN 18-OCT-2001.
XX PD 06-APR-2001; 2001WO-IB000713.
XX PF 07-APR-2000; 2000DE-01019173.
XX PR (EPIG-) EPIGENOMICS AG.
XX PA Olek A. Piepenbrock C, Berlin K;
XX PI WPI; 2001-657177/75.
XX DR Set of oligonucleotides, useful for diagnosis and cell typing, is
XX PPT designed to detect single-nucleotide polymorphisms and cytosine
XX PPT methylation status.
XX EP Claim 1; SEQ ID NO 253419; 29pp + Sequence Listing; German.
XX This invention describes novel oligonucleotide primers or peptide nucleic
acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
and cytosine methylation status in chemically pretreated genomic DNA. The
oligonucleotides are used for diagnosis and/or prognosis of cancer and a
range of diseases including immune system, gastrointestinal, respiratory,
central nervous system, cardiovascular and metabolic disorders. The
oligomers are also used for detecting cell type differentiation. ABC00010
-ABF99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
represent the oligomers described in the invention. NOTE: The sequence
data for this patent did not form part of the printed specification, but
was obtained in electronic format from WIPO at
ftp.wipo.int/pub/published_pct_sequences
XX Sequence 13 BP; 2 A; 1 C; 2 G; 7 T; 0 U; 1 Other;
Query Match 12.9%; Score 9.4; DB 1; Length 13;
Best Local Similarity 76.9%; Pred. No. 1.3e+03;
Matches 10; Conservative 1; Mismatches 2; Indels 0; Gaps 0;
QY 907 ATTTTCCTTGGTC 919
DB ||||| :
1 ATTTTCGTTAGTY 13
RESULT 2146
ABH57691/C
IID ABH57691 standard; DNA; 13 BP.
XX AC
XX AC
XX AC
DE 22-FEB-2002 (first entry)
DE Oligonucleotide SEQ ID NO 257668 for detecting SNP TSC0062683.
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX central nervous system; gastrointestinal; respiratory; immune; metabolic.

```

PI Olek A, Piepenbrock C, Berlin K;
 XX WPI; 2001-657177/75.
 XX
 XX Set of oligonucleotides, useful for diagnosis and cell typing, is
 PT designed to detect single-nucleotide polymorphisms and cytosine
 PT methylation status.
 XX
 XX Claim 1; SEQ ID NO 93490; 29pp + Sequence Listing; German.
 XX
 XX This invention describes novel oligonucleotide primers or peptide nucleic
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
 CC and cytosine methylation status in chemically pretreated genomic DNA. The
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
 CC range of diseases including immune system, gastrointestinal, respiratory,
 CC central nervous system, cardiovascular and metabolic disorders. The
 CC oligomers are also used for detecting cell type differentiation. ABC00010
 CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
 CC represent the oligomers described in the invention. NOTE: The sequence
 CC data for this patent did not form part of the printed specification, but
 CC was obtained in electronic format from WIPO at
 CC ftp.wipo.int/pub/published_pct_sequences
 XX
 XX Sequence 13 BP; 5 A; 5 C; 0 G; 2 T; 0 U; 1 Other;
 Query Match 12.9%; Score 9.4; DB 1; Length 13;
 Best Local Similarity 76.9%; Pred. No. 1.3e+03;
 Matches 10; Conservative 1; Mismatches 2; Indels 0; Gaps 0;
 QY 946 GGTTAATGATATC 958
 DB 13 GGTTCGATGATY 1
 ||||| |||||
 RESULT 2148
 ABC95532
 ID ABC95532 standard; DNA; 13 BP.
 XX
 XX ABC95532;
 AC
 XX 21-FEB-2002 (first entry)
 DT
 XX Oligonucleotide SEQ ID NO 95549 for detecting SNP TSC0023777.
 DE
 XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
 KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
 KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
 XX
 OS Homo sapiens.
 XX
 XX WO200177384-A2.
 PN
 XX 18-OCT-2001.
 PD
 XX 06-APR-2001; 2001WO-IB0000713.
 PF
 XX 07-APR-2000; 2000DE-01019173.
 PR
 XX (EPIG-) EPIGENOMICS AG.
 PA
 XX Olek A, Piepenbrock C, Berlin K;
 PI
 XX WPI; 2001-657177/75.
 DR
 XX Set of oligonucleotides, useful for diagnosis and cell typing, is
 PT designed to detect single-nucleotide polymorphisms and cytosine
 PT methylation status.
 XX
 XX Claim 1; SEQ ID NO 95549; 29pp + Sequence Listing; German.
 XX
 XX This invention describes novel oligonucleotide primers or peptide nucleic
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
 CC and cytosine methylation status in chemically pretreated genomic DNA. The
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
 CC range of diseases including immune system, gastrointestinal, respiratory,
 CC central nervous system, cardiovascular and metabolic disorders. The
 CC oligomers are also used for detecting cell type differentiation. ABC00010
 CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
 CC represent the oligomers described in the invention. NOTE: The sequence
 CC data for this patent did not form part of the printed specification, but
 CC was obtained in electronic format from WIPO at
 CC ftp.wipo.int/pub/published_pct_sequences
 XX
 XX Sequence 13 BP; 5 A; 5 C; 0 G; 2 T; 0 U; 1 Other;
 Query Match 12.9%; Score 9.4; DB 1; Length 13;
 Best Local Similarity 76.9%; Pred. No. 1.3e+03;
 Matches 10; Conservative 1; Mismatches 2; Indels 0; Gaps 0;
 QY 946 GGTTAATGATATC 958
 DB 13 GGTTCGATGATY 1
 ||||| |||||
 RESULT 2148
 ABC95532
 ID ABC95532 standard; DNA; 13 BP.
 XX
 XX ABC95532;
 AC
 XX 21-FEB-2002 (first entry)
 DT
 XX Oligonucleotide SEQ ID NO 95549 for detecting SNP TSC0023777.
 DE
 XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
 KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
 KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
 XX
 OS Homo sapiens.
 XX
 XX WO200177384-A2.
 PN
 XX 18-OCT-2001.
 PD
 XX 06-APR-2001; 2001WO-IB0000713.
 PF
 XX 07-APR-2000; 2000DE-01019173.
 PR
 XX (EPIG-) EPIGENOMICS AG.
 PA
 XX Olek A, Piepenbrock C, Berlin K;
 PI
 XX WPI; 2001-657177/75.
 DR
 XX Set of oligonucleotides, useful for diagnosis and cell typing, is
 PT designed to detect single-nucleotide polymorphisms and cytosine
 PT methylation status.
 XX
 XX Claim 1; SEQ ID NO 95549; 29pp + Sequence Listing; German.
 XX
 XX This invention describes novel oligonucleotide primers or peptide nucleic
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
 CC and cytosine methylation status in chemically pretreated genomic DNA. The

CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
 CC range of diseases including immune system, gastrointestinal, respiratory,
 CC central nervous system, cardiovascular and metabolic disorders. The
 CC oligomers are also used for detecting cell type differentiation. ABC00010
 CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
 CC represent the oligomers described in the invention. NOTE: The sequence
 CC data for this patent did not form part of the printed specification, but
 CC was obtained in electronic format from WIPO at
 CC ftp.wipo.int/pub/published_pct_sequences
 XX
 XX Sequence 13 BP; 1 A; 1 C; 2 G; 8 T; 0 U; 1 Other;
 Query Match 12.9%; Score 9.4; DB 1; Length 13;
 Best Local Similarity 76.9%; Pred. No. 1.3e+03;
 Matches 10; Conservative 1; Mismatches 2; Indels 0; Gaps 0;
 QY 920 TTGCTTTTATC 932
 DB 1 TTGTCGTTATY 13
 ||||| |||||
 RESULT 2149
 ABC97185/c
 ID ABC97185 standard; DNA; 13 BP.
 XX
 XX ABC97185;
 AC
 XX 21-FEB-2002 (first entry)
 DT
 XX Oligonucleotide SEQ ID NO 97202 for detecting SNP TSC0024109.
 DE
 XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
 KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
 KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
 XX
 OS Homo sapiens.
 XX
 XX WO200177384-A2.
 PN
 XX 18-OCT-2001.
 PD
 XX 06-APR-2001; 2001WO-IB0000713.
 PF
 XX 07-APR-2000; 2000DE-01019173.
 PR
 XX (EPIG-) EPIGENOMICS AG.
 PA
 XX Olek A, Piepenbrock C, Berlin K;
 PI
 XX WPI; 2001-657177/75.
 DR
 XX Set of oligonucleotides, useful for diagnosis and cell typing, is
 PT designed to detect single-nucleotide polymorphisms and cytosine
 PT methylation status.
 XX
 XX Claim 1; SEQ ID NO 97202; 29pp + Sequence Listing; German.
 XX
 XX This invention describes novel oligonucleotide primers or peptide nucleic
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
 CC and cytosine methylation status in chemically pretreated genomic DNA. The
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
 CC range of diseases including immune system, gastrointestinal, respiratory,
 CC central nervous system, cardiovascular and metabolic disorders. The
 CC oligomers are also used for detecting cell type differentiation. ABC00010
 CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
 CC represent the oligomers described in the invention. NOTE: The sequence
 CC data for this patent did not form part of the printed specification, but
 CC was obtained in electronic format from WIPO at
 CC ftp.wipo.int/pub/published_pct_sequences
 XX
 XX Sequence 13 BP; 8 A; 2 C; 1 G; 2 T; 0 U; 0 Other;
 Query Match 12.9%; Score 9.4; DB 1; Length 13;
 QY 920 TTGCTTTTATC 932
 DB 1 TTGTCGTTATY 13
 ||||| |||||

Best Local Similarity 90.9%; Pred. No. 1.3e+03;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 920 TTGGCTTTTA 930
Db 11 TTGGCTTTTA 1

RESULT 2150
ABC48828
ID ABC48828 standard; DNA; 13 BP.
XX AC ABC48828;
XX 21-FEB-2002 (first entry)
XX
XX Oligonucleotide SEQ ID NO 48845 for detecting SNP TSC0013874.
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX Homo sapiens.
XX WO200177384-A2.
XX 18-OCT-2001.
XX 06-APR-2001; 2001WO-IB000713.
XX 07-APR-2000; 2000DE-01019173.
XX (EPIC-) EPIGENOMICS AG.
XX Olek A, Piepenbrock C, Berlin K;
XX WPI; 2001-657177/75.
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
XX designed to detect single-nucleotide polymorphisms and cytosine
XX methylation status.
XX Claim 1; SEQ ID NO 48845; 29pp + Sequence Listing; German.
XX This invention describes novel oligonucleotide primers or peptide nucleic
XX acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
XX and cytosine methylation status in chemically pretreated genomic DNA. The
XX oligonucleotides are used for diagnosis and/or prognosis of cancer and a
XX range of diseases including immune system, gastrointestinal, respiratory,
XX central nervous system, cardiovascular and metabolic disorders. The
XX oligomers are also used for detecting cell type differentiation. ABC00010
XX -ABC9989, ABF00010-ABF9989, ABH00010-ABH9989 and ABI00010-ABI82073
XX represent the oligomers described in the invention. NOTE: The sequence
XX data for this patent did not form part of the printed specification, but
XX was obtained in electronic format from WIPO at
XX ftp.wipo.int/pub/published_pct_sequences

QY 947 GTTTAATGTAT 957
Db 2 GTTTAATTTAT 12

RESULT 2151
ABC02862
ID ABC02862 standard; DNA; 13 BP.
XX AC ABC02862;
XX

20-FEB-2002 (first entry)
Oligonucleotide SEQ ID NO 2853 for detecting SNP TSC0001123.
SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
central nervous system; gastrointestinal; respiratory; immune; metabolic.
Homo sapiens.
WO200177384-A2.
18-OCT-2001.
06-APR-2001; 2001WO-IB000713.
07-APR-2000; 2000DE-01019173.
(EPIC-) EPIGENOMICS AG.
Olek A, Piepenbrock C, Berlin K;
WPI; 2001-657177/75.
Set of oligonucleotides, useful for diagnosis and cell typing, is
designed to detect single-nucleotide polymorphisms and cytosine
methylation status.
Claim 1; SEQ ID NO 2853; 29pp + Sequence Listing; German.
This invention describes novel oligonucleotide primers or peptide nucleic
acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
and cytosine methylation status in chemically pretreated genomic DNA. The
oligonucleotides are used for diagnosis and/or prognosis of cancer and a
range of diseases including immune system, gastrointestinal, respiratory,
central nervous system, cardiovascular and metabolic disorders. The
oligomers are also used for detecting cell type differentiation. ABC00010
-ABC9989, ABF00010-ABF9989, ABH00010-ABH9989 and ABI00010-ABI82073
represent the oligomers described in the invention. NOTE: The sequence
data for this patent did not form part of the printed specification, but
was obtained in electronic format from WIPO at
ftp.wipo.int/pub/published_pct_sequences

Sequence 13 BP; 3 A; 0 C; 3 G; 6 T; 0 U; 1 Other;
Query Match 12.9%; Score 9.4; DB 1; Length 13;
Best Local Similarity 76.9%; Pred. No. 1.3e+03;
Matches 10; Conservative 1; Mismatches 2; Indels 0; Gaps 0;

QY 945 TGGTTTAAATGTAT 957
Db 1 TGGTTTAAATGGAY 13

RESULT 2152
ABC27564/C
ID ABC27564 standard; DNA; 13 BP.
XX AC ABC27564;
XX 20-FEB-2002 (first entry)
XX Oligonucleotide SEQ ID NO 27581 for detecting SNP TSC0007684.
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX Homo sapiens.
XX WO200177384-A2.
XX

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PD 18-OCT-2001.
XX
XX
XX 06-APR-2001; 2001WO-IB000713.
XX
XX 07-APR-2000; 2000DE-01019173.
XX
XX (EPIG-) EPIGENOMICS AG.
XX
XX Olek A, Piepenbrock C, Berlin K;
XX
XX WPI; 2001-657177/75.
XX
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
XX Claim 1; SEQ ID NO 27581; 29pp + Sequence Listing; German.
XX
XX This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
XX Sequence 13 BP; 8 A; 0 C; 2 G; 3 T; 0 U; 0 Other;
SQ
Query Match 12.9%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 1.3e+03;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 920 TTGCGCTTTTA 930
Db 12 TTACCTTTTA 2
|||||
|

RESULT 2153
ABC28611/C
ID ABC28611 standard; DNA; 13 BP.
XX
XX ABC28611;
XX
XX 20-FEB-2002 (first entry)
XX
XX Oligonucleotide SEQ ID NO 28628 for detecting SNP TSC0008250.
XX
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
XX Homo sapiens.
XX
XX WO200177384-A2.
XX
XX 18-OCT-2001.
XX
XX 06-APR-2001; 2001WO-IB000713.
XX
XX 07-APR-2000; 2000DE-01019173.
XX
XX (EPIG-) EPIGENOMICS AG.
XX
XX Olek A, Piepenbrock C, Berlin K;
XX
XX WPI; 2001-657177/75.
XX
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
XX Claim 1; SEQ ID NO 29165; 29pp + Sequence Listing; German.
XX
XX This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
XX Sequence 13 BP; 7 A; 1 C; 1 G; 3 T; 0 U; 1 Other;
SQ
Query Match 12.9%; Score 9.4; DB 1; Length 13;
Best Local Similarity 76.9%; Pred. No. 1.3e+03;
Matches 10; Conservative 1; Mismatches 2; Indels 0; Gaps 0;

Qy 941 TCATTCGTTTAAT 953
Db 13 TTATTCGTTTAAY 1
|||||
|

RESULT 2154
ABC29148
ID ABC29148 standard; DNA; 13 BP.
XX
XX ABC29148;
XX
XX 20-FEB-2002 (first entry)
XX
XX Oligonucleotide SEQ ID NO 29165 for detecting SNP TSC0008537.
XX
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
XX Homo sapiens.
XX
XX WO200177384-A2.
XX
XX 18-OCT-2001.
XX
XX 06-APR-2001; 2001WO-IB000713.
XX
XX 07-APR-2000; 2000DE-01019173.
XX
XX (EPIG-) EPIGENOMICS AG.
XX
XX Olek A, Piepenbrock C, Berlin K;
XX
XX WPI; 2001-657177/75.
XX
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
XX Claim 1; SEQ ID NO 29165; 29pp + Sequence Listing; German.
XX
XX This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
XX Sequence 13 BP; 7 A; 1 C; 1 G; 3 T; 0 U; 1 Other;
SQ
Query Match 12.9%; Score 9.4; DB 1; Length 13;
Best Local Similarity 76.9%; Pred. No. 1.3e+03;
Matches 10; Conservative 1; Mismatches 2; Indels 0; Gaps 0;

Qy 941 TCATTCGTTTAAT 953
Db 13 TTATTCGTTTAAY 1
|||||
|

```

CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences

XX SQ Sequence 13 BP; 6 A; 0 C; 1 G; 6 T; 0 U; 0 Other;
Query Match 12.9%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 1.3e+03;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 943 ATTGGTTTAAT 953
DB 2 ATTAGTTTAAT 12
|||||

RESULT 2155
ABC79370
ID ABC79370 standard; DNA; 13 BP.
XX AC ABC79370;
XX DT 21-FEB-2002 (first entry)
XX DE Oligonucleotide SEQ ID NO 79387 for detecting SNP TSC0020177.
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX OS Homo sapiens.
XX PN WO200177384-A2.
XX PD 18-OCT-2001.
XX PF 06-APR-2001; 2001WO-IB000713.
XX PR 07-APR-2000; 2000DE-01019173.
XX PA (EPIG-) EPIGENOMICS AG.
XX PI Olek A, Piepenbrock C, Berlin K;
XX DR WPI; 2001-657177/75.
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
XX designed to detect single-nucleotide polymorphisms and cytosine
XX methylation status.
XX Claim 1; SEQ ID NO 79387; 29pp + Sequence Listing; German.

CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences

XX SQ Sequence 13 BP; 0 A; 0 C; 5 G; 8 T; 0 U; 0 Other;
Query Match 12.9%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 1.3e+03;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 913 TTGGTCCTTG 923
|||||

Db 3 TTGGTTTTTG 13

RESULT 2156
ABC54364
ID ABC54364 standard; DNA; 13 BP.
XX AC ABC54364;
XX DT 21-FEB-2002 (first entry)
XX DE Oligonucleotide SEQ ID NO 54381 for detecting SNP TSC0014918.
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX OS Homo sapiens.
XX PN WO200177384-A2.
XX PD 18-OCT-2001.
XX PF 06-APR-2001; 2001WO-IB000713.
XX PR 07-APR-2000; 2000DE-01019173.
XX PA (EPIG-) EPIGENOMICS AG.
XX PI Olek A, Piepenbrock C, Berlin K;
XX DR WPI; 2001-657177/75.
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
XX designed to detect single-nucleotide polymorphisms and cytosine
XX methylation status.
XX Claim 1; SEQ ID NO 54381; 29pp + Sequence Listing; German.

CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences

XX SQ Sequence 13 BP; 0 A; 0 C; 5 G; 7 T; 0 U; 1 Other;
Query Match 12.9%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 1.3e+03;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 913 TTGGTCCTTG 923
DB 1 TTGGTCCTTG 11
|||||

RESULT 2157
ABC54911/C
ID ABC54911 standard; DNA; 13 BP.
XX AC ABC54911;
XX DT 21-FEB-2002 (first entry)
XX DE Oligonucleotide SEQ ID NO 54928 for detecting SNP TSC0015043.

XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
 XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
 XX central nervous system; gastrointestinal; respiratory; immune; metabolic.
 OS Homo sapiens.
 XX WO200177384-A2.
 XX 18-OCT-2001.
 XX 06-APR-2001; 2001WO-IB0000713.
 XX 07-APR-2000; 2000DE-01019173.
 XX (EPIG-) EPIGENOMICS AG.
 XX Olek A, Piepenbrock C, Berlin K;
 XX WPI; 2001-657177/75.
 XX Set of oligonucleotides, useful for diagnosis and cell typing, is
 PT designed to detect single-nucleotide polymorphisms and cytosine
 PT methylation status.
 XX Claim 1; SEQ ID NO 54928; 29pp + Sequence Listing; German.
 XX This invention describes novel oligonucleotide primers or peptide nucleic
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
 CC and cytosine methylation status in chemically pretreated genomic DNA. The
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
 CC range of diseases including immune system, gastrointestinal, respiratory,
 CC central nervous system, cardiovascular and metabolic disorders. The
 CC oligomers are also used for detecting cell type differentiation. ABC00010
 CC -ABG9989, ABF0010-ABF9989, ABH0010-ABH9989 and ABI0010-ABI82073
 CC represent the oligomers described in the invention. NOTE: The sequence
 CC data for this patent did not form part of the printed specification, but
 CC was obtained in electronic format from WIPO at
 CC ftp.wipo.int/pub/published_pct_sequences
 XX Sequence 13 BP; 10 A; 1 C; 0 G; 1 T; 0 U; 1 Other;
 XX Query Match 12.9%; Score 9.4; DB 1; Length 13;
 XX Best Local Similarity 76.9%; Pred. No. 1.3e+03;
 XX Mismatches 2; Indels 0; Gaps 0;
 XX Matches 10; Conservative 1; Mismatches 2; Indels 0; Gaps 0;
 QY 907 ATTTCTTTGGTC 919
 DB 13 ATTTCTTTGGTC 1
 RESULT 2158
 ABF05162
 ID ABF05162 standard; DNA; 13 BP.
 XX AC ABF05162;
 XX 21-FEB-2002 (first entry)
 DE Oligonucleotide SEQ ID NO 105159 for detecting SNP TSC0026342.
 XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
 XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
 XX central nervous system; gastrointestinal; respiratory; immune; metabolic.
 OS Homo sapiens.
 XX WO200177384-A2.
 XX 18-OCT-2001.
 XX 06-APR-2001; 2001WO-IB0000713.
 XX 07-APR-2000; 2000DE-01019173.

XX (EPIG-) EPIGENOMICS AG.
 XX Olek A, Piepenbrock C, Berlin K;
 XX WPI; 2001-657177/75.
 XX Set of oligonucleotides, useful for diagnosis and cell typing, is
 PT designed to detect single-nucleotide polymorphisms and cytosine
 PT methylation status.
 XX Claim 1; SEQ ID NO 105159; 29pp + Sequence Listing; German.
 XX This invention describes novel oligonucleotide primers or peptide nucleic
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
 CC and cytosine methylation status in chemically pretreated genomic DNA. The
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
 CC range of diseases including immune system, gastrointestinal, respiratory,
 CC central nervous system, cardiovascular and metabolic disorders. The
 CC oligomers are also used for detecting cell type differentiation. ABC00010
 CC -ABG9989, ABF0010-ABF9989, ABH0010-ABH9989 and ABI0010-ABI82073
 CC represent the oligomers described in the invention. NOTE: The sequence
 CC data for this patent did not form part of the printed specification, but
 CC was obtained in electronic format from WIPO at
 CC ftp.wipo.int/pub/published_pct_sequences
 XX Sequence 13 BP; 2 A; 0 C; 3 G; 8 T; 0 U; 0 Other;
 XX Query Match 12.9%; Score 9.4; DB 1; Length 13;
 XX Best Local Similarity 90.9%; Pred. No. 1.3e+03;
 XX Mismatches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
 QY 907 ATTTCTTTGG 917
 DB 2 ATTTCTTTGG 12
 RESULT 2159
 ABC83283
 ID ABC83283 standard; DNA; 13 BP.
 XX AC ABC83283;
 XX 21-FEB-2002 (first entry)
 DE Oligonucleotide SEQ ID NO 83300 for detecting SNP TSC0020996.
 XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
 XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
 XX central nervous system; gastrointestinal; respiratory; immune; metabolic.
 OS Homo sapiens.
 XX WO200177384-A2.
 XX 18-OCT-2001.
 XX 06-APR-2001; 2001WO-IB0000713.
 XX 07-APR-2000; 2000DE-01019173.
 XX (EPIG-) EPIGENOMICS AG.
 XX Olek A, Piepenbrock C, Berlin K;
 XX WPI; 2001-657177/75.
 XX Set of oligonucleotides, useful for diagnosis and cell typing, is
 PT designed to detect single-nucleotide polymorphisms and cytosine
 PT methylation status.
 XX Claim 1; SEQ ID NO 83300; 29pp + Sequence Listing; German.

CC This invention describes novel oligonucleotide primers or peptide nucleic acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP) and cytosine methylation status in chemically pretreated genomic DNA. The oligonucleotides are used for diagnosis and/or prognosis of cancer and a range of diseases including immune system, gastrointestinal, respiratory, central nervous system, cardiovascular and metabolic disorders. The oligomers are also used for detecting cell type differentiation. ABC00010 -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073 represent the oligomers described in the invention. NOTE: The sequence data for this patent did not form part of the printed specification, but was obtained in electronic format from WIPO at ftp.wipo.int/pub/published_pct_sequences

XX SQ Sequence 13 BP; 3 A; 3 C; 0 G; 7 T; 0 U; 0 Other;

Query Match 12.9%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 1.3e+03;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 935 TCTCTTCATT 945
Db 2 TCTCTTCATT 12

RESULT 2160
ABF09664/C
ID ABF09664 standard; DNA; 13 BP.
XX AC ABF09664;
XX DT 21-FEB-2002 (first entry)
XX DE Oligonucleotide SEQ ID NO 109661 for detecting SNP TSC0027429.
XX KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX OS Homo sapiens.
XX PN WO200177384-A2.
XX PD 18-OCT-2001.
XX PF 06-APR-2001; 2001WO-IB000713.
XX PR 07-APR-2000; 2000DE-01019173.
XX PA (EPIG-) EPIGENOMICS AG.
XX PI Olek A, Piepenbrock C, Berlin K;
XX DR WPI; 2001-657177/75.
XX PT Set of oligonucleotides, useful for diagnosis and cell typing, is designed to detect single-nucleotide polymorphisms and cytosine methylation status.
XX PS Claim 1; SEQ ID NO 109661; 29pp + Sequence Listing; German.

CC This invention describes novel oligonucleotide primers or peptide nucleic acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP) and cytosine methylation status in chemically pretreated genomic DNA. The oligonucleotides are used for diagnosis and/or prognosis of cancer and a range of diseases including immune system, gastrointestinal, respiratory, central nervous system, cardiovascular and metabolic disorders. The oligomers are also used for detecting cell type differentiation. ABC00010 -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073 represent the oligomers described in the invention. NOTE: The sequence data for this patent did not form part of the printed specification, but was obtained in electronic format from WIPO at ftp.wipo.int/pub/published_pct_sequences

XX SQ Sequence 13 BP; 3 A; 3 C; 0 G; 7 T; 0 U; 0 Other;

Query Match 12.9%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 1.3e+03;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 935 TCTCTTCATT 945
Db 2 TCTCTTCATT 12

RESULT 2160
ABF09664/C
ID ABF09664 standard; DNA; 13 BP.
XX AC ABF09664;
XX DT 21-FEB-2002 (first entry)
XX DE Oligonucleotide SEQ ID NO 109661 for detecting SNP TSC0027429.
XX KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX OS Homo sapiens.
XX PN WO200177384-A2.
XX PD 18-OCT-2001.
XX PF 06-APR-2001; 2001WO-IB000713.
XX PR 07-APR-2000; 2000DE-01019173.
XX PA (EPIG-) EPIGENOMICS AG.
XX PI Olek A, Piepenbrock C, Berlin K;
XX DR WPI; 2001-657177/75.
XX PT Set of oligonucleotides, useful for diagnosis and cell typing, is designed to detect single-nucleotide polymorphisms and cytosine methylation status.
XX PS Claim 1; SEQ ID NO 109661; 29pp + Sequence Listing; German.

CC This invention describes novel oligonucleotide primers or peptide nucleic acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP) and cytosine methylation status in chemically pretreated genomic DNA. The oligonucleotides are used for diagnosis and/or prognosis of cancer and a range of diseases including immune system, gastrointestinal, respiratory, central nervous system, cardiovascular and metabolic disorders. The oligomers are also used for detecting cell type differentiation. ABC00010 -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073 represent the oligomers described in the invention. NOTE: The sequence data for this patent did not form part of the printed specification, but was obtained in electronic format from WIPO at ftp.wipo.int/pub/published_pct_sequences

XX SQ Sequence 13 BP; 3 A; 3 C; 0 G; 7 T; 0 U; 0 Other;

Query Match 12.9%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 1.3e+03;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 935 TCTCTTCATT 945
Db 2 TCTCTTCATT 12

RESULT 2160
ABF09664/C
ID ABF09664 standard; DNA; 13 BP.
XX AC ABF09664;
XX DT 21-FEB-2002 (first entry)
XX DE Oligonucleotide SEQ ID NO 109661 for detecting SNP TSC0027429.
XX KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX OS Homo sapiens.
XX PN WO200177384-A2.
XX PD 18-OCT-2001.
XX PF 06-APR-2001; 2001WO-IB000713.
XX PR 07-APR-2000; 2000DE-01019173.
XX PA (EPIG-) EPIGENOMICS AG.
XX PI Olek A, Piepenbrock C, Berlin K;
XX DR WPI; 2001-657177/75.
XX PT Set of oligonucleotides, useful for diagnosis and cell typing, is designed to detect single-nucleotide polymorphisms and cytosine methylation status.
XX PS Claim 1; SEQ ID NO 109661; 29pp + Sequence Listing; German.

SQ Sequence 13 BP; 6 A; 0 C; 5 G; 2 T; 0 U; 0 Other;

Query Match 12.9%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 1.3e+03;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 934 CTCCTCTTCATT 944
Db 13 CTCCTCTTCATT 3

RESULT 2161
ABC11859/C
ID ABC11859 standard; DNA; 13 BP.
XX AC ABC11859;
XX DT 20-FEB-2002 (first entry)
XX DE Oligonucleotide SEQ ID NO 11866 for detecting SNP TSC0002853.
XX KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX OS Homo sapiens.
XX PN WO200177384-A2.
XX PD 18-OCT-2001.
XX PF 06-APR-2001; 2001WO-IB000713.
XX PR 07-APR-2000; 2000DE-01019173.
XX PA (EPIG-) EPIGENOMICS AG.
XX PI Olek A, Piepenbrock C, Berlin K;
XX DR WPI; 2001-657177/75.
XX PT Set of oligonucleotides, useful for diagnosis and cell typing, is designed to detect single-nucleotide polymorphisms and cytosine methylation status.
XX PS Claim 1; SEQ ID NO 11866; 29pp + Sequence Listing; German.

CC This invention describes novel oligonucleotide primers or peptide nucleic acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP) and cytosine methylation status in chemically pretreated genomic DNA. The oligonucleotides are used for diagnosis and/or prognosis of cancer and a range of diseases including immune system, gastrointestinal, respiratory, central nervous system, cardiovascular and metabolic disorders. The oligomers are also used for detecting cell type differentiation. ABC00010 -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073 represent the oligomers described in the invention. NOTE: The sequence data for this patent did not form part of the printed specification, but was obtained in electronic format from WIPO at ftp.wipo.int/pub/published_pct_sequences

XX SQ Sequence 13 BP; 10 A; 2 C; 0 G; 1 T; 0 U; 0 Other;

Query Match 12.9%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 1.3e+03;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 908 TTTTCTTTGGT 918
Db 11 TTTTATTGTT 1

RESULT 2162
ABC62351

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ID  ABCG2351 standard; DNA; 13 BP.
XX
AC  ABCG2351;
XX
DT  21-FEB-2002 (first entry)
XX
DE  Oligonucleotide SEQ ID NO 62368 for detecting SNP TSC0016537.
XX
KW  SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW  peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW  central nervous system; gastrointestinal; respiratory; immune; metabolic.
OS  Homo sapiens.
XX
PN  WO200177384-A2.
XX
PD  18-OCT-2001.
XX
PF  06-APR-2001; 2001WO-IB000713.
XX
PR  07-APR-2000; 2000DE-01019173.
XX
PA  (EPIG-) EPIGENOMICS AG.
XX
PI  Olek A, Piepenbrock C, Berlin K;
XX
PI  WPI; 2001-657177/75.
XX
DR  Set of oligonucleotides, useful for diagnosis and cell typing, is
PT  designed to detect single-nucleotide polymorphisms and cytosine
PT  methylation status.
XX
PS  Claim 1; SEQ ID NO 62368; 29pp + Sequence Listing; German.
XX
CC  This invention describes novel oligonucleotide primers or peptide nucleic
CC  acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC  and cytosine methylation status in chemically pretreated genomic DNA. The
CC  oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC  range of diseases including immune system, gastrointestinal, respiratory,
CC  central nervous system, cardiovascular and metabolic disorders. The
CC  oligomers are also used for detecting cell type differentiation. ABC00010
CC  -ABG9989, ABF00010-ABF9989, ABH00010-ABH9989 and ABI00010-ABI82073
CC  represent the oligomers described in the invention. NOTE: The sequence
CC  data for this patent did not form part of the printed specification, but
CC  was obtained in electronic format from WIPO at
CC  ftp.wipo.int/pub/published_pct_sequences
XX
SQ  Sequence 13 BP; 0 A; 8 C; 0 G; 4 T; 0 U; 1 Other;
XX
CC  This invention describes novel oligonucleotide primers or peptide nucleic
CC  acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC  and cytosine methylation status in chemically pretreated genomic DNA. The
CC  oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC  range of diseases including immune system, gastrointestinal, respiratory,
CC  central nervous system, cardiovascular and metabolic disorders. The
CC  oligomers are also used for detecting cell type differentiation. ABC00010
CC  -ABG9989, ABF00010-ABF9989, ABH00010-ABH9989 and ABI00010-ABI82073
CC  represent the oligomers described in the invention. NOTE: The sequence
CC  data for this patent did not form part of the printed specification, but
CC  was obtained in electronic format from WIPO at
CC  ftp.wipo.int/pub/published_pct_sequences
XX
SQ  Sequence 13 BP; 0 A; 8 C; 0 G; 4 T; 0 U; 1 Other;
XX
Query Match 12.9%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 1.3e+03;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
QY 932 CCTCTCTCTC 942
DB 2 CCTCTCTCTC 12
RESULT 2163
ABF13771/c
ID ABF13771 standard; DNA; 13 BP.
XX
AC ABF13771;
XX
DT 21-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 113768 for detecting SNP TSC0028479.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
OS Homo sapiens.

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XX WO200177384-A2.
PN
XX
XX 18-OCT-2001.
PD
XX
XX 06-APR-2001; 2001WO-IB000713.
PF
XX
XX 07-APR-2000; 2000DE-01019173.
PR
XX
XX (EPIG-) EPIGENOMICS AG.
PA
XX
XX Olek A, Piepenbrock C, Berlin K;
PI
XX
XX WPI; 2001-657177/75.
DR
XX
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT  designed to detect single-nucleotide polymorphisms and cytosine
PT  methylation status.
XX
XX Claim 1; SEQ ID NO 113768; 29pp + Sequence Listing; German.
XX
XX This invention describes novel oligonucleotide primers or peptide nucleic
XX  acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
XX  and cytosine methylation status in chemically pretreated genomic DNA. The
XX  oligonucleotides are used for diagnosis and/or prognosis of cancer and a
XX  range of diseases including immune system, gastrointestinal, respiratory,
XX  central nervous system, cardiovascular and metabolic disorders. The
XX  oligomers are also used for detecting cell type differentiation. ABC00010
XX  -ABG9989, ABF00010-ABF9989, ABH00010-ABH9989 and ABI00010-ABI82073
XX  represent the oligomers described in the invention. NOTE: The sequence
XX  data for this patent did not form part of the printed specification, but
XX  was obtained in electronic format from WIPO at
XX  ftp.wipo.int/pub/published_pct_sequences
XX
SQ  Sequence 13 BP; 7 A; 4 C; 1 G; 1 T; 0 U; 0 Other;
XX
Query Match 12.9%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 1.3e+03;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
QY 907 ATTTCTTTGG 917
DB 12 ATTTCTTTGG 2
RESULT 2164
ABC90606/c
ID ABC90606 standard; DNA; 13 BP.
XX
AC ABC90606;
XX
XX
XX 21-FEB-2002 (first entry)
DT
XX
XX Oligonucleotide SEQ ID NO 90623 for detecting SNP TSC0022708.
DE
XX
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX  peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX  central nervous system; gastrointestinal; respiratory; immune; metabolic.
OS Homo sapiens.
XX
XX WO200177384-A2.
XX
XX 18-OCT-2001.
PD
XX
XX 06-APR-2001; 2001WO-IB000713.
PF
XX
XX 07-APR-2000; 2000DE-01019173.
PR
XX
XX (EPIG-) EPIGENOMICS AG.
PA
XX
XX Olek A, Piepenbrock C, Berlin K;
PI
XX
XX

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XX DE 934 CTCCTCTTCAT 944
XX DB 11 CTCCTCTTCAT 1
XX
XX RESULT 2167
XX ABF20583/c
XX ID ABF20583 standard; DNA; 13 BP.
XX AC ABF20583;
XX DT 21-FEB-2002 (first entry)
XX DE Oligonucleotide SEQ ID NO 120580 for detecting SNP TSC0030084.
XX SN; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX OS Homo sapiens.
XX WO200177384-A2.
XX
XX 18-OCT-2001.
XX
XX 06-APR-2001; 2001WO-IB0000713.
XX 07-APR-2000; 2000DE-01019173.
XX (EPIG-) EPIGENOMICS AG.
XX Olek A, Piepenbrock C, Berlin K;
XX MPI; 2001-657177/75.
XX
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
XX designed to detect single-nucleotide polymorphisms and cytosine
XX methylation status.
XX Claim 1; SEQ ID NO 120580; 29pp + Sequence Listing; German.
XX
XX This invention describes novel oligonucleotide primers or peptide nucleic
XX acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
XX and cytosine methylation status in chemically pretreated genomic DNA. The
XX oligonucleotides are used for diagnosis and/or prognosis of cancer and a
XX range of diseases including immune system, gastrointestinal, respiratory,
XX central nervous system, cardiovascular and metabolic disorders. The
XX oligomers are also used for detecting cell type differentiation. ABC00010
XX -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
XX represent the oligomers described in the invention. NOTE: The sequence
XX data for this patent did not form part of the printed specification, but
XX was obtained in electronic format from WIPO at
XX ftp.wipo.int/pub/published_pct_sequences
XX
XX Sequence 13 BP; 9 A; 1 C; 0 G; 3 T; 0 U; 0 Other;
XX
XX This invention describes novel oligonucleotide primers or peptide nucleic
XX acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
XX and cytosine methylation status in chemically pretreated genomic DNA. The
XX oligonucleotides are used for diagnosis and/or prognosis of cancer and a
XX range of diseases including immune system, gastrointestinal, respiratory,
XX central nervous system, cardiovascular and metabolic disorders. The
XX oligomers are also used for detecting cell type differentiation. ABC00010
XX -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
XX represent the oligomers described in the invention. NOTE: The sequence
XX data for this patent did not form part of the printed specification, but
XX was obtained in electronic format from WIPO at
XX ftp.wipo.int/pub/published_pct_sequences
XX
XX Query Match 12.9%; Score 9.4; DB 1; Length 13;
XX Best Local Similarity 90.9%; Pred. No. 1.3e+03;
XX Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
XX
XX QY 947 GTTAAATGAT 957
XX DB 12 GTTAAATTTAT 2
XX
XX RESULT 2168
XX ABF25015
XX ID ABF25015 standard; DNA; 13 BP.
XX AC ABF25015;
XX DT 21-FEB-2002 (first entry)
XX
XX Query Match 12.9%; Score 9.4; DB 1; Length 13;
XX Best Local Similarity 90.9%; Pred. No. 1.3e+03;
XX Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
XX
XX QY 947 GTTAAATGAT 957
XX DB 12 GTTAAATTTAT 2
XX
XX RESULT 2169
XX ABF36398/c
XX ID ABF36398 standard; DNA; 13 BP.
XX AC ABF36398;
XX DT 21-FEB-2002 (first entry)
XX
XX Oligonucleotide SEQ ID NO 136395 for detecting SNP TSC0034069.
XX SN; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX OS Homo sapiens.
XX WO200177384-A2.
XX
XX 18-OCT-2001.
XX
XX Query Match 12.9%; Score 9.4; DB 1; Length 13;
XX Best Local Similarity 90.9%; Pred. No. 1.3e+03;
XX Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
XX
XX QY 905 TCATTTTCTTT 915
XX DB 1 TCATTTTCTTT 11
XX
XX RESULT 2169
XX ABF36398/c
XX ID ABF36398 standard; DNA; 13 BP.
XX AC ABF36398;
XX DT 21-FEB-2002 (first entry)
XX
XX Oligonucleotide SEQ ID NO 136395 for detecting SNP TSC0034069.
XX SN; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX OS Homo sapiens.
XX WO200177384-A2.
XX
XX 18-OCT-2001.

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XX DE Oligonucleotide SEQ ID NO 125012 for detecting SNP TSC0031240.
XX SN; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX OS Homo sapiens.
XX WO200177384-A2.
XX
XX 18-OCT-2001.
XX
XX 06-APR-2001; 2001WO-IB0000713.
XX 07-APR-2000; 2000DE-01019173.
XX (EPIG-) EPIGENOMICS AG.
XX Olek A, Piepenbrock C, Berlin K;
XX MPI; 2001-657177/75.
XX
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
XX designed to detect single-nucleotide polymorphisms and cytosine
XX methylation status.
XX Claim 1; SEQ ID NO 125012; 29pp + Sequence Listing; German.
XX
XX This invention describes novel oligonucleotide primers or peptide nucleic
XX acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
XX and cytosine methylation status in chemically pretreated genomic DNA. The
XX oligonucleotides are used for diagnosis and/or prognosis of cancer and a
XX range of diseases including immune system, gastrointestinal, respiratory,
XX central nervous system, cardiovascular and metabolic disorders. The
XX oligomers are also used for detecting cell type differentiation. ABC00010
XX -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
XX represent the oligomers described in the invention. NOTE: The sequence
XX data for this patent did not form part of the printed specification, but
XX was obtained in electronic format from WIPO at
XX ftp.wipo.int/pub/published_pct_sequences
XX
XX Sequence 13 BP; 1 A; 3 C; 0 G; 9 T; 0 U; 0 Other;
XX
XX Query Match 12.9%; Score 9.4; DB 1; Length 13;
XX Best Local Similarity 90.9%; Pred. No. 1.3e+03;
XX Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
XX
XX QY 905 TCATTTTCTTT 915
XX DB 1 TCATTTTCTTT 11
XX
XX RESULT 2169
XX ABF36398/c
XX ID ABF36398 standard; DNA; 13 BP.
XX AC ABF36398;
XX DT 21-FEB-2002 (first entry)
XX
XX Oligonucleotide SEQ ID NO 136395 for detecting SNP TSC0034069.
XX SN; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX OS Homo sapiens.
XX WO200177384-A2.
XX
XX 18-OCT-2001.

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100

CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences

XX Sequence 13 BP; 5 A; 0 C; 3 G; 5 T; 0 U; 0 Other;
XX Query Match 12.9%; Score 9.4; DB 1; Length 13;
XX Best Local Similarity 90.9%; Pred. No. 1.3e+03;
XX Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 946 GGTTTAATGTA 956

DB 1 GATTTAATGTA 11

RESULT 2172

ID ABF43154 standard; DNA; 13 BP.

AC ABF43154;

XX 21-FEB-2002 (first entry)

DE Oligonucleotide SEQ ID NO 143151 for detecting SNP TSC0035906.

XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX central nervous system; gastrointestinal; respiratory; immune; metabolic.

OS Homo sapiens.

XX WO200177384-A2.

PN 18-OCT-2001.

PD 06-APR-2001; 2001WO-IB000713.

XX 07-APR-2000; 2000DE-01019173.

PR (EPIG-) EPIGENOMICS AG.

XX Olek A, Piepenbrock C, Berlin K;

PI WPI; 2001-657177/75.

XX Set of oligonucleotides, useful for diagnosis and cell typing, is
XX designed to detect single-nucleotide polymorphisms and cytosine
XX methylation status.

XX Claim 1; SEQ ID NO 143151; 29pp + Sequence Listing; German.

XX This invention describes novel oligonucleotide primers or peptide nucleic
XX acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
XX and cytosine methylation status in chemically pretreated genomic DNA. The
XX oligonucleotides are used for diagnosis and/or prognosis of cancer and a
XX range of diseases including immune system, gastrointestinal, respiratory,
XX central nervous system, cardiovascular and metabolic disorders. The
XX oligomers are also used for detecting cell type differentiation. ABC00010
XX -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABH00010-ABH82073
XX represent the oligomers described in the invention. NOTE: The sequence
XX data for this patent did not form part of the printed specification, but
XX was obtained in electronic format from WIPO at
XX ftp.wipo.int/pub/published_pct_sequences

XX Sequence 13 BP; 2 A; 0 C; 2 G; 9 T; 0 U; 0 Other;

XX Query Match 12.9%; Score 9.4; DB 1; Length 13;
XX Best Local Similarity 90.9%; Pred. No. 1.3e+03;
XX Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 907 ATTTCCTTGG 917

DB 3 ATTTTITGG 13

RESULT 2173
ABH18958/c

ID ABH18958 standard; DNA; 13 BP.

XX ABH18958;

XX 22-FEB-2002 (first entry)

DE Oligonucleotide SEQ ID NO 218935 for detecting SNP TSC0053255.

XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX central nervous system; gastrointestinal; respiratory; immune; metabolic.

OS Homo sapiens.

XX WO200177384-A2.

PN 18-OCT-2001.

PD 06-APR-2001; 2001WO-IB000713.

XX 07-APR-2000; 2000DE-01019173.

PR (EPIG-) EPIGENOMICS AG.

XX Olek A, Piepenbrock C, Berlin K;

PI WPI; 2001-657177/75.

XX Set of oligonucleotides, useful for diagnosis and cell typing, is
XX designed to detect single-nucleotide polymorphisms and cytosine
XX methylation status.

XX Claim 1; SEQ ID NO 218935; 29pp + Sequence Listing; German.

XX This invention describes novel oligonucleotide primers or peptide nucleic
XX acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
XX and cytosine methylation status in chemically pretreated genomic DNA. The
XX oligonucleotides are used for diagnosis and/or prognosis of cancer and a
XX range of diseases including immune system, gastrointestinal, respiratory,
XX central nervous system, cardiovascular and metabolic disorders. The
XX oligomers are also used for detecting cell type differentiation. ABC00010
XX -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABH00010-ABH82073
XX represent the oligomers described in the invention. NOTE: The sequence
XX data for this patent did not form part of the printed specification, but
XX was obtained in electronic format from WIPO at
XX ftp.wipo.int/pub/published_pct_sequences

XX Sequence 13 BP; 5 A; 0 C; 8 G; 0 T; 0 U; 0 Other;

XX Query Match 12.9%; Score 9.4; DB 1; Length 13;
XX Best Local Similarity 90.9%; Pred. No. 1.3e+03;
XX Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 928 TTATCCCTCCT 938

DB 11 TTCTCCCTCCT 1

RESULT 2174

ID ABF69350 standard; DNA; 13 BP.

XX ABF69350;

XX 22-FEB-2002 (first entry)

DE Oligonucleotide SEQ ID NO 169347 for detecting SNP TSC0042311.

XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;

KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX Homo sapiens.
XX WO200177384-A2.
XX 18-OCT-2001.
XX 06-APR-2001; 2001WO-IB000713.
XX 07-APR-2000; 2000DE-01019173.
XX (EPIG-) EPIGENOMICS AG.
XX Olek A, Piepenbrock C, Berlin K;
XX WPI; 2001-657177/75.
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX Claim 1; SEQ ID NO 169347; 29pp + Sequence Listing; German.
XX This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC9989, ABF00010-ABF9989, ABH00010-ABH9989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 13 BP; 1 A; 0 C; 2 G; 10 T; 0 U; 0 Other;
Query Match 12.9%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 1.3e+03;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
QY 908 TTTTCTTTGGT 918
Db 1 TTTTCTTTGGT 11
RESULT 2175
ABF71266
ID ABF71266 standard; DNA; 13 BP.
XX
XX AC ABF71266;
XX
XX 22-FEB-2002 (first entry)
XX Oligonucleotide SEQ ID NO 171263 for detecting SNP TSC0042699.
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
XX Homo sapiens.
XX WO200177384-A2.
XX
XX 18-OCT-2001.
XX 06-APR-2001; 2001WO-IB000713.
XX 07-APR-2000; 2000DE-01019173.
XX (EPIG-) EPIGENOMICS AG.
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX Homo sapiens.
XX WO200177384-A2.
XX 18-OCT-2001.
XX 06-APR-2001; 2001WO-IB000713.
XX 07-APR-2000; 2000DE-01019173.
XX (EPIG-) EPIGENOMICS AG.

XX Olek A, Piepenbrock C, Berlin K;
XX WPI; 2001-657177/75.
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX Claim 1; SEQ ID NO 171263; 29pp + Sequence Listing; German.
XX This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC9989, ABF00010-ABF9989, ABH00010-ABH9989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 13 BP; 3 A; 0 C; 2 G; 8 T; 0 U; 0 Other;
Query Match 12.9%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 1.3e+03;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
QY 947 GTTTAATGAT 957
Db 1 GTTTAATGAT 11
RESULT 2176
ABH23858
ID ABH23858 standard; DNA; 13 BP.
XX
XX AC ABH23858;
XX
XX 22-FEB-2002 (first entry)
XX Oligonucleotide SEQ ID NO 223835 for detecting SNP TSC0054505.
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
XX Homo sapiens.
XX WO200177384-A2.
XX
XX 18-OCT-2001.
XX 06-APR-2001; 2001WO-IB000713.
XX 07-APR-2000; 2000DE-01019173.
XX (EPIG-) EPIGENOMICS AG.
XX Olek A, Piepenbrock C, Berlin K;
XX WPI; 2001-657177/75.
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX Claim 1; SEQ ID NO 223835; 29pp + Sequence Listing; German.
XX This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)

CC and cytosine methylation status in chemically pretreated genomic DNA. The
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
 CC range of diseases including immune system, gastrointestinal, respiratory,
 CC central nervous system, cardiovascular and metabolic disorders. The
 CC oligomers are also used for detecting cell type differentiation. ABC00010
 CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
 CC represent the oligomers described in the invention. NOTE: The sequence
 CC data for this patent did not form part of the printed specification, but
 CC was obtained in electronic format from WIPO at
 CC ftp.wipo.int/pub/published_pct_sequences

XX SQ Sequence 13 BP; 3 A; 1 C; 2 G; 7 T; 0 U; 0 Other;

Query Match 12.9%; Score 9.4; DB 1; Length 13;
 Best Local Similarity 90.9%; Pred. No. 1.3e+03;
 Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 952 ATGTATCGCTA 962
 Db 1 ATGTATCGCTA 11

RESULT 2177

ABF99132
 ID ABF99132 standard; DNA; 13 BP.

AC ABF99132;

DT 22-FEB-2002 (first entry)

DE Oligonucleotide SEQ ID NO 199129 for detecting SNP TSC0049008.

XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
 KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
 KW central nervous system; gastrointestinal; respiratory; immune; metabolic.

XX OS Homo sapiens.

XX PN WO200177384-A2.

XX PD 18-OCT-2001.

XX PF 06-APR-2001; 2001WO-IB000713.

XX PR 07-APR-2000; 2000DE-01019173.

XX PA (EPIG-) EPIGENOMICS AG.

XX PI Olek A, Piepenbrock C, Berlin K;

XX DR WPI; 2001-657177/75.

XX Set of oligonucleotides, useful for diagnosis and cell typing, is
 PT designed to detect single-nucleotide polymorphisms and cytosine
 PT methylation status.

XX Claim 1; SEQ ID NO 199129; 29pp + Sequence Listing; German.

XX This invention describes novel oligonucleotide primers or peptide nucleic
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
 CC and cytosine methylation status in chemically pretreated genomic DNA. The
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
 CC range of diseases including immune system, gastrointestinal, respiratory,
 CC central nervous system, cardiovascular and metabolic disorders. The
 CC oligomers are also used for detecting cell type differentiation. ABC00010
 CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
 CC represent the oligomers described in the invention. NOTE: The sequence
 CC data for this patent did not form part of the printed specification, but
 CC was obtained in electronic format from WIPO at
 CC ftp.wipo.int/pub/published_pct_sequences

XX SQ Sequence 13 BP; 1 A; 1 C; 3 G; 8 T; 0 U; 0 Other;

Query Match 12.9%; Score 9.4; DB 1; Length 13;
 Best Local Similarity 90.9%; Pred. No. 1.3e+03;
 Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 907 ATTTCTTTGG 917
 Db 3 ATTTCTTTGG 13

RESULT 2178

ABF75594
 ID ABF75594 standard; DNA; 13 BP.

XX AC ABF75594;

DT 22-FEB-2002 (first entry)

DE Oligonucleotide SEQ ID NO 175591 for detecting SNP TSC0004550.

XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
 KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
 KW central nervous system; gastrointestinal; respiratory; immune; metabolic.

XX OS Homo sapiens.

XX PN WO200177384-A2.

XX PD 18-OCT-2001.

XX PF 06-APR-2001; 2001WO-IB000713.

XX PR 07-APR-2000; 2000DE-01019173.

XX PA (EPIG-) EPIGENOMICS AG.

XX PI Olek A, Piepenbrock C, Berlin K;

XX DR WPI; 2001-657177/75.

XX Set of oligonucleotides, useful for diagnosis and cell typing, is
 PT designed to detect single-nucleotide polymorphisms and cytosine
 PT methylation status.

XX Claim 1; SEQ ID NO 175591; 29pp + Sequence Listing; German.

XX This invention describes novel oligonucleotide primers or peptide nucleic
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
 CC and cytosine methylation status in chemically pretreated genomic DNA. The
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
 CC range of diseases including immune system, gastrointestinal, respiratory,
 CC central nervous system, cardiovascular and metabolic disorders. The
 CC oligomers are also used for detecting cell type differentiation. ABC00010
 CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
 CC represent the oligomers described in the invention. NOTE: The sequence
 CC data for this patent did not form part of the printed specification, but
 CC was obtained in electronic format from WIPO at
 CC ftp.wipo.int/pub/published_pct_sequences

XX SQ Sequence 13 BP; 2 A; 0 C; 2 G; 9 T; 0 U; 0 Other;

Query Match 12.9%; Score 9.4; DB 1; Length 13;
 Best Local Similarity 90.9%; Pred. No. 1.3e+03;
 Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 908 TTTTCTTTGG 918
 Db 2 TTTTCTTTGG 12

RESULT 2179

ABH01942/c
 ID ABH01942 standard; DNA; 13 BP.

XX

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AC ABH01942;
XX
XX
XX 22-FEB-2002 (first entry)
XX
XX Oligonucleotide SEQ ID NO 201919 for detecting SNP TSC0049639.
XX
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
XX Homo sapiens.
XX
XX WO200177384-A2.
XX
XX 18-OCT-2001.
XX
XX 06-APR-2001; 2001WO-IB000713.
XX
XX 07-APR-2000; 2000DE-01019173.
XX
XX (EPIG-) EPIGENOMICS AG.
XX
XX Olek A, Piepenbrock C, Berlin K;
XX
XX WPI; 2001-657177/75.
XX
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
XX designed to detect single-nucleotide polymorphisms and cytosine
XX methylation status.
XX
XX Claim 1; SEQ ID NO 201919; 29pp + Sequence Listing; German.
XX
XX This invention describes novel oligonucleotide primers or peptide nucleic
XX acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
XX and cytosine methylation status in chemically pretreated genomic DNA. The
XX oligonucleotides are used for diagnosis and/or prognosis of cancer and a
XX range of diseases including immune system, gastrointestinal, respiratory,
XX central nervous system, cardiovascular and metabolic disorders. The
XX oligomers are also used for detecting cell type differentiation. ABC00010
XX -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
XX represent the oligomers described in the invention. NOTE: The sequence
XX data for this patent did not form part of the printed specification, but
XX was obtained in electronic format from WIPO at
XX ftp.wipo.int/pub/published_pct_sequences
XX
XX Sequence 13 BP; 7 A; 0 C; 1 G; 5 T; 0 U; 0 Other;
XX
XX This invention describes novel oligonucleotide primers or peptide nucleic
XX acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
XX and cytosine methylation status in chemically pretreated genomic DNA. The
XX oligonucleotides are used for diagnosis and/or prognosis of cancer and a
XX range of diseases including immune system, gastrointestinal, respiratory,
XX central nervous system, cardiovascular and metabolic disorders. The
XX oligomers are also used for detecting cell type differentiation. ABC00010
XX -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
XX represent the oligomers described in the invention. NOTE: The sequence
XX data for this patent did not form part of the printed specification, but
XX was obtained in electronic format from WIPO at
XX ftp.wipo.int/pub/published_pct_sequences
XX
XX Sequence 13 BP; 7 A; 0 C; 1 G; 5 T; 0 U; 0 Other;
XX
XX Query Match 12.9%; Score 9.4; DB 1; Length 13;
XX Best Local Similarity 90.9%; Pred. NO. 1.3e+03;
XX Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
XX
XX QY 948 TTTAATGATC 958
XX 13 TTTAATATATC 3
XX
XX RESULT 2180
XX ABH02044/C
XX ID ABH02044 standard; DNA; 13 BP.
XX
XX AC ABH02044;
XX
XX 22-FEB-2002 (first entry)
XX
XX Oligonucleotide SEQ ID NO 202021 for detecting SNP TSC0049666.
XX
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
XX Homo sapiens.
XX
XX WO200177384-A2.
XX
XX 18-OCT-2001.
XX
XX 06-APR-2001; 2001WO-IB000713.
XX
XX 07-APR-2000; 2000DE-01019173.
XX
XX (EPIG-) EPIGENOMICS AG.
XX
XX Olek A, Piepenbrock C, Berlin K;
XX
XX WPI; 2001-657177/75.
XX
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
XX designed to detect single-nucleotide polymorphisms and cytosine
XX methylation status.
XX
XX Claim 1; SEQ ID NO 202021; 29pp + Sequence Listing; German.
XX
XX This invention describes novel oligonucleotide primers or peptide nucleic
XX acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
XX and cytosine methylation status in chemically pretreated genomic DNA. The
XX oligonucleotides are used for diagnosis and/or prognosis of cancer and a
XX range of diseases including immune system, gastrointestinal, respiratory,
XX central nervous system, cardiovascular and metabolic disorders. The
XX oligomers are also used for detecting cell type differentiation. ABC00010
XX -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
XX represent the oligomers described in the invention. NOTE: The sequence
XX data for this patent did not form part of the printed specification, but
XX was obtained in electronic format from WIPO at
XX ftp.wipo.int/pub/published_pct_sequences
XX
XX Sequence 13 BP; 7 A; 0 C; 3 G; 3 T; 0 U; 0 Other;
XX
XX Query Match 12.9%; Score 9.4; DB 1; Length 13;
XX Best Local Similarity 90.9%; Pred. NO. 1.3e+03;
XX Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
XX
XX QY 948 TTTAATGATC 958
XX 11 TTTAATCTATC 1
XX
XX RESULT 2181
XX ABF79262
XX ID ABF79262 standard; DNA; 13 BP.
XX
XX AC ABF79262;
XX
XX 22-FEB-2002 (first entry)
XX
XX Oligonucleotide SEQ ID NO 179259 for detecting SNP TSC0044381.
XX
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
XX Homo sapiens.
XX
XX WO200177384-A2.
XX
XX 18-OCT-2001.
XX
XX 06-APR-2001; 2001WO-IB000713.
XX
XX 07-APR-2000; 2000DE-01019173.
XX
XX (EPIG-) EPIGENOMICS AG.
XX
XX Olek A, Piepenbrock C, Berlin K;
XX
XX WPI; 2001-657177/75.
XX
XX
```

PT Set of oligonucleotides, useful for diagnosis and cell typing, is
 PT designed to detect single-nucleotide polymorphisms and cytosine
 PT methylation status.

XX Claim 1; SEQ ID NO 179259; 29pp + Sequence Listing; German.

XX This invention describes novel oligonucleotide primers or peptide nucleic
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
 CC and cytosine methylation status in chemically pretreated genomic DNA. The
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
 CC range of diseases including immune system, gastrointestinal, respiratory,
 CC central nervous system, cardiovascular and metabolic disorders. The
 CC oligomers are also used for detecting cell type differentiation. ABC00010
 CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
 CC represent the oligomers described in the invention. NOTE: The sequence
 CC data for this patent did not form part of the printed specification, but
 CC was obtained in electronic format from WIPO at
 CC ftp.wipo.int/pub/published_pct_sequences

XX Sequence 13 BP; 3 A; 0 C; 4 G; 6 T; 0 U; 0 Other;

Query Match 12.9%; Score 9.4; DB 1; Length 13;
 Best Local Similarity 90.9%; Pred. No. 1.3e+03;
 Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 941 TCATTGGTTA 951

Db 2 TCATTGGTTA 12

RESULT 2182

ABF54515
 ID ABF54515 standard; DNA; 13 BP.

XX AC ABF54515;

XX 21-FEB-2002 (first entry)

XX Oligonucleotide SEQ ID NO 154512 for detecting SNP TSC0039046.

XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
 KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
 KW central nervous system; gastrointestinal; respiratory; immune; metabolic.

XX Homo sapiens.

XX WO200177384-A2.

XX 18-OCT-2001.

XX 06-APR-2001; 2001WO-IB000713.

XX 07-APR-2000; 2000DE-01019173.

XX (EPIG-) EPIGENOMICS AG.

XX Olek A, Piepenbrock C, Berlin K;

XX WPI; 2001-657177/75.

XX Set of oligonucleotides, useful for diagnosis and cell typing, is
 PT designed to detect single-nucleotide polymorphisms and cytosine
 PT methylation status.

XX Claim 1; SEQ ID NO 154512; 29pp + Sequence Listing; German.

XX This invention describes novel oligonucleotide primers or peptide nucleic
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
 CC and cytosine methylation status in chemically pretreated genomic DNA. The
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
 CC range of diseases including immune system, gastrointestinal, respiratory,
 CC central nervous system, cardiovascular and metabolic disorders. The
 CC oligomers are also used for detecting cell type differentiation. ABC00010

CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
 CC represent the oligomers described in the invention. NOTE: The sequence
 CC data for this patent did not form part of the printed specification, but
 CC was obtained in electronic format from WIPO at
 CC ftp.wipo.int/pub/published_pct_sequences

XX Sequence 13 BP; 4 A; 4 C; 1 G; 4 T; 0 U; 0 Other;

Query Match 12.9%; Score 9.4; DB 1; Length 13;
 Best Local Similarity 90.9%; Pred. No. 1.3e+03;
 Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 955 TATCGCTACCA 965

Db 3 TATCGCTACTA 13

RESULT 2183

ABF80120

ID ABF80120 standard; DNA; 13 BP.

XX AC ABF80120;

XX 22-FEB-2002 (first entry)

XX Oligonucleotide SEQ ID NO 180117 for detecting SNP TSC0044592.

XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
 KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
 KW central nervous system; gastrointestinal; respiratory; immune; metabolic.

XX Homo sapiens.

XX WO200177384-A2.

XX 18-OCT-2001.

XX 06-APR-2001; 2001WO-IB000713.

XX 07-APR-2000; 2000DE-01019173.

XX (EPIG-) EPIGENOMICS AG.

XX Olek A, Piepenbrock C, Berlin K;

XX WPI; 2001-657177/75.

XX Set of oligonucleotides, useful for diagnosis and cell typing, is
 PT designed to detect single-nucleotide polymorphisms and cytosine
 PT methylation status.

XX Claim 1; SEQ ID NO 180117; 29pp + Sequence Listing; German.

XX This invention describes novel oligonucleotide primers or peptide nucleic
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
 CC and cytosine methylation status in chemically pretreated genomic DNA. The
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
 CC range of diseases including immune system, gastrointestinal, respiratory,
 CC central nervous system, cardiovascular and metabolic disorders. The
 CC oligomers are also used for detecting cell type differentiation. ABC00010
 CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
 CC represent the oligomers described in the invention. NOTE: The sequence
 CC data for this patent did not form part of the printed specification, but
 CC was obtained in electronic format from WIPO at
 CC ftp.wipo.int/pub/published_pct_sequences

XX Sequence 13 BP; 4 A; 0 C; 2 G; 7 T; 0 U; 0 Other;

Query Match 12.9%; Score 9.4; DB 1; Length 13;
 Best Local Similarity 90.9%; Pred. No. 1.3e+03;
 Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 941 TCATTGGTTA 951

```

XX KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX OS Homo sapiens.
XX DN WO200177384-A2.
XX PD 18-OCT-2001.
XX PF 06-APR-2001; 2001WO-IB000713.
XX PR 07-APR-2000; 2000DE-01019173.
XX PA (EPIG-) EPIGENOMICS AG.
XX PI Olek A, Piepenbrock C, Berlin K;
XX PT WPI; 2001-657177/75.
XX PT Set of oligonucleotides, useful for diagnosis and cell typing, is
XX PT designed to detect single-nucleotide polymorphisms and cytosine
XX PT methylation status.
XX PS Claim 1; SEQ ID NO 184444; 29pp + Sequence Listing; German.
XX CC This invention describes novel oligonucleotide primers or peptide nucleic
XX CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
XX CC and cytosine methylation status in chemically pretreated genomic DNA. The
XX CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
XX CC range of diseases including immune system, gastrointestinal, respiratory,
XX CC central nervous system, cardiovascular and metabolic disorders. The
XX CC oligomers are also used for detecting cell type differentiation. ABC00010
XX CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
XX CC represent the oligomers described in the invention. NOTE: The sequence
XX CC data for this patent did not form part of the printed specification, but
XX CC was obtained in electronic format from WIPO at
XX CC ftp.wipo.int/pub/published_pct_sequences
XX SQ Sequence 13 BP; 8 A; 3 C; 0 G; 1 T; 0 U; 1 Other;

Query Match 12.9%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. NO. 1.3e+03;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 940 TTCAATGGTTT 950
Db 12 TTATTTGGTTT 2

RESULT 2186
ABH11656
ID ABH11656 standard; DNA; 13 BP.
XX AC ABH11656;
XX DT 22-FEB-2002 (first entry)
XX DE Oligonucleotide SEQ ID NO 211633 for detecting SNP TSC0051609.
XX KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX OS Homo sapiens.
XX PN WO200177384-A2.
XX PD 18-OCT-2001.
XX PF 06-APR-2001; 2001WO-IB000713.
XX DE Oligonucleotide SEQ ID NO 184014 for detecting SNP TSC0045517.

Query Match 12.9%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. NO. 1.3e+03;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 905 TCATTTCTTT 915
Db 2 TCATTTATTT 12

RESULT 2185
ABF84447/c
ID ABF84447 standard; DNA; 13 BP.
XX AC ABF84447;
XX DT 22-FEB-2002 (first entry)
XX DE Oligonucleotide SEQ ID NO 184444 for detecting SNP TSC0045517.

```

PR 07-APR-2000; 2000DE-01019173.
 XX (EPiG-) EPIGENOMICS AG.
 PA Olek A, Piepenbrock C, Berlin K;
 PI WPI; 2001-657177/75.
 DR Set of oligonucleotides, useful for diagnosis and cell typing, is
 XX designed to detect single-nucleotide polymorphisms and cytosine
 PT methylation status.
 PT
 XX Claim 1; SEQ ID NO 211633; 29pp + Sequence Listing; German.
 PS
 XX This invention describes novel oligonucleotide primers or peptide nucleic
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
 CC and cytosine methylation status in chemically pretreated genomic DNA. The
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
 CC range of diseases including immune system, gastrointestinal, respiratory,
 CC central nervous system, cardiovascular and metabolic disorders. The
 CC oligomers are also used for detecting cell type differentiation. ABC00010
 CC -ABC9989, ABF00010-ABF9989, ABH00010-ABH9989 and ABI00010-ABI82073
 CC represent the oligomers described in the invention. NOTE: The sequence
 CC data for this patent did not form part of the printed specification, but
 CC was obtained in electronic format from WIPO at
 CC ftp.wipo.int/pub/published_pct_sequences
 XX
 SQ Sequence 13 BP; 3 A; 0 C; 1 G; 8 T; 0 U; 1 Other;
 Query Match 12.9%; Score 9.4; DB 1; Length 13;
 Best Local Similarity 90.9%; Pred. No. 1.3e+03;
 Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
 QY 943 ATTGGTTTAAT 953
 DB 1 ATTGGTTTAAT 11
 RESULT 2187
 ABH36777
 ID ABH36777 standard; DNA; 13 BP.
 XX
 AC ABH36777;
 DT 22-FEB-2002 (first entry)
 DE Oligonucleotide SEQ ID NO 236754 for detecting SNP TSC0057775.
 XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
 KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
 KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
 XX
 OS Homo sapiens.
 XX
 PN WO200177384-A2.
 XX
 PD 18-OCT-2001.
 XX
 PF 06-APR-2001; 2001WO-IB000713.
 XX
 PR 07-APR-2000; 2000DE-01019173.
 XX (EPiG-) EPIGENOMICS AG.
 PA Olek A, Piepenbrock C, Berlin K;
 PI WPI; 2001-657177/75.
 DR Set of oligonucleotides, useful for diagnosis and cell typing, is
 XX designed to detect single-nucleotide polymorphisms and cytosine
 PT methylation status.
 PT
 XX Claim 1; SEQ ID NO 236754; 29pp + Sequence Listing; German.
 PS

XX This invention describes novel oligonucleotide primers or peptide nucleic
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
 CC and cytosine methylation status in chemically pretreated genomic DNA. The
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
 CC range of diseases including immune system, gastrointestinal, respiratory,
 CC central nervous system, cardiovascular and metabolic disorders. The
 CC oligomers are also used for detecting cell type differentiation. ABC00010
 CC -ABC9989, ABF00010-ABF9989, ABH00010-ABH9989 and ABI00010-ABI82073
 CC represent the oligomers described in the invention. NOTE: The sequence
 CC data for this patent did not form part of the printed specification, but
 CC was obtained in electronic format from WIPO at
 CC ftp.wipo.int/pub/published_pct_sequences
 XX
 SQ Sequence 13 BP; 1 A; 2 C; 0 G; 10 T; 0 U; 0 Other;
 Query Match 12.9%; Score 9.4; DB 1; Length 13;
 Best Local Similarity 90.9%; Pred. No. 1.3e+03;
 Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
 QY 905 TCATTTTCCTTT 915
 DB 1 TCATTTTCCTTT 11
 RESULT 2188
 ABF89074
 ID ABF89074 standard; DNA; 13 BP.
 XX
 AC ABF89074;
 DT 22-FEB-2002 (first entry)
 DE Oligonucleotide SEQ ID NO 189071 for detecting SNP TSC0006744.
 XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
 KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
 KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
 XX
 OS Homo sapiens.
 XX
 PN WO200177384-A2.
 XX
 PD 18-OCT-2001.
 XX
 PF 06-APR-2001; 2001WO-IB000713.
 XX
 PR 07-APR-2000; 2000DE-01019173.
 XX (EPiG-) EPIGENOMICS AG.
 PA Olek A, Piepenbrock C, Berlin K;
 PI WPI; 2001-657177/75.
 DR Set of oligonucleotides, useful for diagnosis and cell typing, is
 XX designed to detect single-nucleotide polymorphisms and cytosine
 PT methylation status.
 PT
 XX Claim 1; SEQ ID NO 189071; 29pp + Sequence Listing; German.
 PS
 XX This invention describes novel oligonucleotide primers or peptide nucleic
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
 CC and cytosine methylation status in chemically pretreated genomic DNA. The
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
 CC range of diseases including immune system, gastrointestinal, respiratory,
 CC central nervous system, cardiovascular and metabolic disorders. The
 CC oligomers are also used for detecting cell type differentiation. ABC00010
 CC -ABC9989, ABF00010-ABF9989, ABH00010-ABH9989 and ABI00010-ABI82073
 CC represent the oligomers described in the invention. NOTE: The sequence
 CC data for this patent did not form part of the printed specification, but
 CC was obtained in electronic format from WIPO at
 CC ftp.wipo.int/pub/published_pct_sequences
 XX


```
XX SQ Sequence 13 BP; 4 A; 0 C; 2 G; 7 T; 0 U; 0 Other;
XX
XX Query Match 12.9%; Score 9.4; DB 1; Length 13;
XX Best Local Similarity 90.9%; Pred. No. 1.3e+03;
XX Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
XX
QY 943 ATTGGTTTAAT 953
Db 3 ATTGGTTTAT 13
XX
RESULT 2189
ABF64992
ID ABF64992 standard; DNA; 13 BP.
XX AC ABF64992;
XX
XX DT 22-FEB-2002 (first entry)
XX
XX Oligonucleotide SEQ ID NO 164989 for detecting SNP TSC0041392.
XX
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
XX Homo sapiens.
XX
XX WO200177384-A2.
XX
XX PD 18-OCT-2001.
XX
XX DT 22-FEB-2002 (first entry)
XX
XX DE Oligonucleotide SEQ ID NO 164989 for detecting SNP TSC0041392.
XX
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
XX Homo sapiens.
XX
XX WO200177384-A2.
XX
XX PD 18-OCT-2001.
XX
XX PF 06-APR-2001; 2001WO-IB000713.
XX
XX PR 07-APR-2000; 2000DE-01019173.
XX
XX PA (EPIG-) EPIGENOMICS AG.
XX
XX PI Olek A, Piepenbrock C, Berlin K;
XX
XX WIPI; 2001-657177/75.
XX
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
XX designed to detect single-nucleotide polymorphisms and cytosine
XX methylation status.
XX
XX Claim 1; SEQ ID NO 164989; 29pp + Sequence Listing; German.
XX
XX This invention describes novel oligonucleotide primers or peptide nucleic
XX acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
XX and cytosine methylation status in chemically pretreated genomic DNA. The
XX oligonucleotides are used for diagnosis and/or prognosis of cancer and a
XX range of diseases including immune system, gastrointestinal, respiratory,
XX central nervous system, cardiovascular and metabolic disorders. The
XX oligomers are also used for detecting cell type differentiation. ABC00010
XX -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
XX represent the oligomers described in the invention. NOTE: The sequence
XX data for this patent did not form part of the printed specification, but
XX was obtained in electronic format from WIPO at
XX ftp.wipo.int/pub/published_pct_sequences
XX
XX SQ Sequence 13 BP; 1 A; 0 C; 3 G; 9 T; 0 U; 0 Other;
XX
XX Query Match 12.9%; Score 9.4; DB 1; Length 13;
XX Best Local Similarity 90.9%; Pred. No. 1.3e+03;
XX Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
XX
QY 940 TTCATTGGTTT 950
Db 2 TTTATTGGTTT 12
XX
RESULT 2190
ABF64992
ID ABF64992 standard; DNA; 13 BP.
XX AC ABF64992;
XX
XX DT 22-FEB-2002 (first entry)
XX
XX Oligonucleotide SEQ ID NO 245088 for detecting SNP TSC0059839.
XX
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
```

OS Homo sapiens.
 PN WO200177384-A2.
 XX
 XX
 PD 18-OCT-2001.
 XX
 XX
 PF 06-APR-2001; 2001WO-IB000713.
 XX
 PR 07-APR-2000; 2000DE-01019173.
 XX
 XX (EPITG-) EPIGENOMICS AG.
 PA
 XX Olek A, Piepenbrock C, Berlin K;
 PI
 XX WPI; 2001-657177/75.
 DR
 XX Set of oligonucleotides, useful for diagnosis and cell typing, is
 PT designed to detect single-nucleotide polymorphisms and cytosine
 PT methylation status.
 XX
 XX Claim 1; SEQ ID NO 245088; 29pp + Sequence Listing; German.
 PS
 XX This invention describes novel oligonucleotide primers or peptide nucleic
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
 CC and cytosine methylation status in chemically pretreated genomic DNA. The
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
 CC range of diseases including immune system, gastrointestinal, respiratory,
 CC central nervous system, cardiovascular and metabolic disorders. The
 CC oligomers are also used for detecting cell type differentiation. ABC00010
 CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
 CC represent the oligomers described in the invention. NOTE: The sequence
 CC data for this patent did not form part of the printed specification, but
 CC was obtained in electronic format from WIPO at
 CC ftp.wipo.int/pub/published_pct_sequences
 XX
 XX Sequence 13 BP; 2 A; 7 C; 0 G; 3 T; 0 U; 1 Other;
 SQ
 Query Match 12.9%; Score 9.4; DB 1; Length 13;
 Best Local Similarity 90.9%; Pred. No. 1.3e+03;
 Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
 QY 933 CCTCCTCTTCA 943
 DB 3 CCCCCTCTTCA 13
 RESULT 2192
 ABH51806
 ID ABH51806 standard; DNA; 13 BP.
 XX
 AC ABH51806;
 XX
 XX 22-FEB-2002 (first entry)
 DT
 DE Oligonucleotide SEQ ID NO 251783 for detecting SNP TSC0061446.
 XX
 XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
 KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
 KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
 XX
 OS Homo sapiens.
 XX
 XX WO200177384-A2.
 PN
 XX 18-OCT-2001.
 PD
 XX 06-APR-2001; 2001WO-IB000713.
 PF
 XX 07-APR-2000; 2000DE-01019173.
 PR
 XX (EPITG-) EPIGENOMICS AG.
 PA
 XX Olek A, Piepenbrock C, Berlin K;
 PI
 XX WPI; 2001-657177/75.
 DR
 XX Set of oligonucleotides, useful for diagnosis and cell typing, is
 PT designed to detect single-nucleotide polymorphisms and cytosine
 PT methylation status.
 XX
 XX Claim 1; SEQ ID NO 251783; 29pp + Sequence Listing; German.
 PS
 XX This invention describes novel oligonucleotide primers or peptide nucleic
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
 CC and cytosine methylation status in chemically pretreated genomic DNA. The
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
 CC range of diseases including immune system, gastrointestinal, respiratory,
 CC central nervous system, cardiovascular and metabolic disorders. The
 CC oligomers are also used for detecting cell type differentiation. ABC00010
 CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
 CC represent the oligomers described in the invention. NOTE: The sequence
 CC data for this patent did not form part of the printed specification, but
 CC was obtained in electronic format from WIPO at
 CC ftp.wipo.int/pub/published_pct_sequences
 XX
 XX Sequence 13 BP; 2 A; 7 C; 0 G; 3 T; 0 U; 1 Other;
 SQ
 Query Match 12.9%; Score 9.4; DB 1; Length 13;
 Best Local Similarity 90.9%; Pred. No. 1.3e+03;
 Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
 QY 933 CCTCCTCTTCA 943
 DB 3 CCCCCTCTTCA 13
 RESULT 2192
 ABH51806
 ID ABH51806 standard; DNA; 13 BP.
 XX
 AC ABH51806;
 XX
 XX 22-FEB-2002 (first entry)
 DT
 DE Oligonucleotide SEQ ID NO 251783 for detecting SNP TSC0061446.
 XX
 XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
 KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
 KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
 XX
 OS Homo sapiens.
 XX
 XX WO200177384-A2.
 PN
 XX 18-OCT-2001.
 PD
 XX 06-APR-2001; 2001WO-IB000713.
 PF
 XX 07-APR-2000; 2000DE-01019173.
 PR
 XX (EPITG-) EPIGENOMICS AG.
 PA
 XX Olek A, Piepenbrock C, Berlin K;
 PI

XX WPI; 2001-657177/75.
 DR
 XX Set of oligonucleotides, useful for diagnosis and cell typing, is
 PT designed to detect single-nucleotide polymorphisms and cytosine
 PT methylation status.
 XX
 XX Claim 1; SEQ ID NO 251783; 29pp + Sequence Listing; German.
 PS
 XX This invention describes novel oligonucleotide primers or peptide nucleic
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
 CC and cytosine methylation status in chemically pretreated genomic DNA. The
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
 CC range of diseases including immune system, gastrointestinal, respiratory,
 CC central nervous system, cardiovascular and metabolic disorders. The
 CC oligomers are also used for detecting cell type differentiation. ABC00010
 CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
 CC represent the oligomers described in the invention. NOTE: The sequence
 CC data for this patent did not form part of the printed specification, but
 CC was obtained in electronic format from WIPO at
 CC ftp.wipo.int/pub/published_pct_sequences
 XX
 XX Sequence 13 BP; 5 A; 1 C; 3 G; 4 T; 0 U; 0 Other;
 SQ
 Query Match 12.9%; Score 9.4; DB 1; Length 13;
 Best Local Similarity 90.9%; Pred. No. 1.3e+03;
 Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
 QY 949 TTAATGTATCG 959
 DB 3 TGAATGTATCG 13
 RESULT 2193
 ABH59080
 ID ABH59080 standard; DNA; 13 BP.
 XX
 AC ABH59080;
 XX
 XX 22-FEB-2002 (first entry)
 DT
 DE Oligonucleotide SEQ ID NO 259057 for detecting SNP TSC0007540.
 XX
 XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
 KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
 KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
 XX
 OS Homo sapiens.
 XX
 XX WO200177384-A2.
 PN
 XX 18-OCT-2001.
 PD
 XX 06-APR-2001; 2001WO-IB000713.
 PF
 XX 07-APR-2000; 2000DE-01019173.
 PR
 XX (EPITG-) EPIGENOMICS AG.
 PA
 XX Olek A, Piepenbrock C, Berlin K;
 PI
 XX WPI; 2001-657177/75.
 DR
 XX Set of oligonucleotides, useful for diagnosis and cell typing, is
 PT designed to detect single-nucleotide polymorphisms and cytosine
 PT methylation status.
 XX
 XX Claim 1; SEQ ID NO 259057; 29pp + Sequence Listing; German.
 PS
 XX This invention describes novel oligonucleotide primers or peptide nucleic
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
 CC and cytosine methylation status in chemically pretreated genomic DNA. The
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
 CC range of diseases including immune system, gastrointestinal, respiratory,
 CC central nervous system, cardiovascular and metabolic disorders. The
 CC oligomers are also used for detecting cell type differentiation. ABC00010
 CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
 CC represent the oligomers described in the invention. NOTE: The sequence
 CC data for this patent did not form part of the printed specification, but
 CC was obtained in electronic format from WIPO at
 CC ftp.wipo.int/pub/published_pct_sequences
 XX


```

DT 21-FEB-2002 (first entry)
DE Oligonucleotide SEQ ID NO 70896 for detecting SNP TSC0018403.
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
PI WPI; 2001-657177/75.
XX
PT Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
PS Claim 1; SEQ ID NO 70896; 29pp + Sequence Listing; German.
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 13 BP; 7 A; 4 C; 1 G; 0 T; 0 U; 1 Other;
XX
Query Match 12.9%; Score 9.4; DB 1; Length 13;
Best Local Similarity 76.9%; Pred. No. 1.3e+03;
Matches 10; Conservative 1; Mismatches 2; Indels 0; Gaps 0;
XX
QY 910 TTCCTTGGCTCTT 922
DB 13 TTCCTTGGCTCTT 1
XX
RESULT 2197
ABF00359
ID ABF00359 standard; DNA; 13 BP.
XX
AC ABF00359;
XX
DT 21-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 100356 for detecting SNP TSC0024957.
XX
SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PT Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine

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XX
PF 06-APR-2001; 2001WO-IB000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
PI WPI; 2001-657177/75.
XX
PT Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
PS Claim 1; SEQ ID NO 100356; 29pp + Sequence Listing; German.
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 13 BP; 1 A; 1 C; 0 G; 11 T; 0 U; 0 Other;
XX
Query Match 12.9%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 1.3e+03;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
XX
QY 905 TCATTTTCCTT 915
DB 1 TCATTTTCCTT 11
XX
RESULT 2198
ABC76021
ID ABC76021 standard; DNA; 13 BP.
XX
AC ABC76021;
XX
DT 21-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 76038 for detecting SNP TSC0019473.
XX
SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
PI WPI; 2001-657177/75.
XX
PT Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine

```

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PT methylation status.
XX Claim 1; SEQ ID NO 76036; 29pp + Sequence Listing; German.
PS
XX This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 13 BP; 0 A; 4 C; 0 G; 9 T; 0 U; 0 Other;
Query Match 12.9%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 1.3e+03;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
QY 905 TCATTTTCTTT 915
DB 2 TCTTTTCTTT 12
RESULT 2199
ID ABF01247
XX ABF01247 standard; DNA; 13 BP.
AC ABF01247;
XX
XX 21-FEB-2002 (first entry)
DE Oligonucleotide SEQ ID NO 101244 for detecting SNP TSC0025200.
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX Homo sapiens.
XX WO200177384-A2.
XX 18-OCT-2001.
XX 06-APR-2001; 2001WO-IB000713.
XX 07-APR-2000; 2000DE-01019173.
XX (EPIG-) EPIGENOMICS AG.
XX Olek A, Piepenbrock C, Berlin K;
XX WPI; 2001-657177/75.
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX Claim 1; SEQ ID NO 101244; 29pp + Sequence Listing; German.
XX This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 13 BP; 0 A; 4 C; 0 G; 9 T; 0 U; 0 Other;
Query Match 12.9%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 1.3e+03;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
QY 905 TCATTTTCTTT 915
DB 2 TCTTTTCTTT 12
RESULT 2199
ID ABF01247
XX ABF01247 standard; DNA; 13 BP.
AC ABF01247;
XX
XX 21-FEB-2002 (first entry)
DE Oligonucleotide SEQ ID NO 101244 for detecting SNP TSC0025200.
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX Homo sapiens.
XX WO200177384-A2.
XX 18-OCT-2001.
XX 06-APR-2001; 2001WO-IB000713.
XX 07-APR-2000; 2000DE-01019173.
XX (EPIG-) EPIGENOMICS AG.
XX Olek A, Piepenbrock C, Berlin K;
XX WPI; 2001-657177/75.
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX Claim 1; SEQ ID NO 101244; 29pp + Sequence Listing; German.
XX This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 13 BP; 0 A; 4 C; 0 G; 9 T; 0 U; 0 Other;
Query Match 12.9%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 1.3e+03;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
QY 905 TCATTTTCTTT 915
DB 2 TCTTTTCTTT 12
RESULT 2200
ID ABC76319/c
XX ABC76319 standard; DNA; 13 BP.
AC ABC76319;
XX
XX 21-FEB-2002 (first entry)
DE Oligonucleotide SEQ ID NO 76336 for detecting SNP TSC0019532.
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX Homo sapiens.
XX WO200177384-A2.
XX 18-OCT-2001.
XX 06-APR-2001; 2001WO-IB000713.
XX 07-APR-2000; 2000DE-01019173.
XX (EPIG-) EPIGENOMICS AG.
XX Olek A, Piepenbrock C, Berlin K;
XX WPI; 2001-657177/75.
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX Claim 1; SEQ ID NO 76336; 29pp + Sequence Listing; German.
XX This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 13 BP; 6 A; 3 C; 0 G; 3 T; 0 U; 1 Other;
Query Match 12.9%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 1.3e+03;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
QY 947 GTTAAATGAT 957
DB 13 GTGTAATGAT 3
```

```

RESULT 2201
ABF02167/c
ID ABF02167 standard; DNA; 13 BP.
XX
AC ABF02167;
XX
DT 21-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 102164 for detecting SNP TSC0025451.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIC-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
DR WPI; 2001-657177/75.
XX
PT Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
PS Claim 1; SEQ ID NO 102164; 29pp + Sequence Listing; German.
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 13 BP; 4 A; 5 C; 0 G; 3 T; 0 U; 1 Other;
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 13 BP; 4 A; 5 C; 0 G; 3 T; 0 U; 1 Other;
XX
Query Match 12.9%; Score 9.4; DB 1; Length 13;
Best Local Similarity 76.9%; Pred. No. 1.3e+03;
Matches 10; Conservative 1; Mismatches 2; Indels 0; Gaps 0;
XX
QY 945 TGGTTTAATGTAT 957
DB 13 TGGTGTATGGAY 1
|||||
XX
RESULT 2202
ABF03953/c
ID ABF03953 standard; DNA; 13 BP.
XX
AC ABF03953;
XX
DT 21-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 103950 for detecting SNP TSC0025999.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;

```

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KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIC-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
DR WPI; 2001-657177/75.
XX
PT Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
PS Claim 1; SEQ ID NO 103950; 29pp + Sequence Listing; German.
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 13 BP; 7 A; 4 C; 1 G; 0 T; 0 U; 1 Other;
XX
Query Match 12.9%; Score 9.4; DB 1; Length 13;
Best Local Similarity 76.9%; Pred. No. 1.3e+03;
Matches 10; Conservative 1; Mismatches 2; Indels 0; Gaps 0;
XX
QY 903 GGTCAATTTCTTT 915
DB 13 GGTCTTTTGTIV 1
|||||
XX
RESULT 2203
ABC81755/c
ID ABC81755 standard; DNA; 13 BP.
XX
AC ABC81755;
XX
DT 21-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 81772 for detecting SNP TSC0020683.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB000713.
XX
PR 07-APR-2000; 2000DE-01019173.

```

PA (EPiG-) EPIGENOMICS AG.
 XX Olek A, Piepenbrock C, Berlin K;
 XX WPI; 2001-657177/75.
 XX Set of oligonucleotides, useful for diagnosis and cell typing, is
 PT designed to detect single-nucleotide polymorphisms and cytosine
 PT methylation status.
 XX
 XX Claim 1; SEQ ID NO 81772; 29pp + Sequence Listing; German.
 XX
 XX This invention describes novel oligonucleotide primers or peptide nucleic
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
 CC and cytosine methylation status in chemically pretreated genomic DNA. The
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
 CC range of diseases including immune system, gastrointestinal, respiratory,
 CC central nervous system, cardiovascular and metabolic disorders. The
 CC oligomers are also used for detecting cell type differentiation. ABC00010
 CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
 CC represent the oligomers described in the invention. NOTE: The sequence
 CC data for this patent did not form part of the printed specification, but
 CC was obtained in electronic format from WIPO at
 CC ftp.wipo.int/pub/published_pct_sequences
 XX
 XX Sequence 13 BP; 9 A; 4 C; 0 G; 0 T; 0 U; 0 Other;
 Query Match 12.9%; Score 9.4; DB 1; Length 13;
 Best Local Similarity 90.9%; Pred. No. 1.3e+03;
 Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
 QY 913 TTGGTCCTTG 923
 DB 12 TTGGCTTTTG 2
 RESULT 2204
 ABC34458/C
 ID ABC34458 standard; DNA; 13 BP.
 XX AC ABC34458;
 XX 20-FEB-2002 (first entry)
 XX Oligonucleotide SEQ ID NO 34475 for detecting SNP TSC0010991.
 XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
 KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
 KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
 XX Homo sapiens.
 OS
 PN WO200177384-A2.
 XX 18-OCT-2001.
 XX 06-APR-2001; 2001WO-IB000713.
 XX 07-APR-2000; 2000DE-01019173.
 XX (EPiG-) EPIGENOMICS AG.
 XX Olek A, Piepenbrock C, Berlin K;
 XX WPI; 2001-657177/75.
 XX Set of oligonucleotides, useful for diagnosis and cell typing, is
 PT designed to detect single-nucleotide polymorphisms and cytosine
 PT methylation status.
 XX
 XX Claim 1; SEQ ID NO 34475; 29pp + Sequence Listing; German.
 XX This invention describes novel oligonucleotide primers or peptide nucleic
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
 CC and cytosine methylation status in chemically pretreated genomic DNA. The
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
 CC range of diseases including immune system, gastrointestinal, respiratory,
 CC central nervous system, cardiovascular and metabolic disorders. The
 CC oligomers are also used for detecting cell type differentiation. ABC00010
 CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
 CC represent the oligomers described in the invention. NOTE: The sequence
 CC data for this patent did not form part of the printed specification, but
 CC was obtained in electronic format from WIPO at
 CC ftp.wipo.int/pub/published_pct_sequences
 XX
 XX Sequence 13 BP; 9 A; 4 C; 0 G; 0 T; 0 U; 0 Other;
 Query Match 12.9%; Score 9.4; DB 1; Length 13;
 Best Local Similarity 90.9%; Pred. No. 1.3e+03;
 Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
 QY 913 TTGGTCCTTG 923
 DB 12 TTGGCTTTTG 2
 RESULT 2205
 ABC12759/C
 ID ABC12759 standard; DNA; 13 BP.
 XX AC ABC12759;
 XX 20-FEB-2002 (first entry)
 XX Oligonucleotide SEQ ID NO 12766 for detecting SNP TSC0002390.
 XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
 KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
 KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
 XX Homo sapiens.
 OS
 PN WO200177384-A2.
 XX 18-OCT-2001.
 XX 06-APR-2001; 2001WO-IB000713.
 XX 07-APR-2000; 2000DE-01019173.
 XX (EPiG-) EPIGENOMICS AG.
 XX Olek A, Piepenbrock C, Berlin K;
 XX WPI; 2001-657177/75.
 XX Set of oligonucleotides, useful for diagnosis and cell typing, is
 PT designed to detect single-nucleotide polymorphisms and cytosine
 PT methylation status.
 XX
 XX Claim 1; SEQ ID NO 12766; 29pp + Sequence Listing; German.
 XX This invention describes novel oligonucleotide primers or peptide nucleic
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
 CC and cytosine methylation status in chemically pretreated genomic DNA. The
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
 CC range of diseases including immune system, gastrointestinal, respiratory,
 CC central nervous system, cardiovascular and metabolic disorders. The
 CC oligomers are also used for detecting cell type differentiation. ABC00010
 CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
 CC represent the oligomers described in the invention. NOTE: The sequence
 CC data for this patent did not form part of the printed specification, but
 CC was obtained in electronic format from WIPO at
 CC ftp.wipo.int/pub/published_pct_sequences
 XX
 XX Sequence 13 BP; 10 A; 2 C; 0 G; 0 T; 0 U; 1 Other;
 Query Match 12.9%; Score 9.4; DB 1; Length 13;
 Best Local Similarity 90.9%; Pred. No. 1.3e+03;
 Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
 QY 905 TCATTTTCCTTT 915
 DB 12 TCTTTTCCTTT 2

```

Query Match      12.9%; Score 9.4; DB 1; Length 13;
Best Local Similarity 76.9%; Pred. No. 1.3e+03;
Matches 10; Conservative 1; Mismatches 2; Indels 0; Gaps 0;

Qy  910 TTCTTTGGTCTTT 922
Db  13 TTTTGGTTT 1

RESULT 2206
ABC37822/c
ID ABC37822 standard; DNA; 13 BP.
XX
AC ABC37822;
XX
DT 20-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 37839 for detecting SNP TSC0011749.
XX
KW SNP: single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPITG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
DR WPI; 2001-657177/75.
XX
PT Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
PS Claim 1; SEQ ID NO 37839; 29pp + Sequence Listing; German.
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 13 BP; 4 A; 0 C; 6 G; 3 T; 0 U; 0 Other;
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 13 BP; 4 A; 0 C; 6 G; 3 T; 0 U; 0 Other;

Query Match      12.9%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 1.3e+03;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy  934 CTCCTCTTCAT 944
Db  12 CTCCTCTTCAT 2

RESULT 2207
ABC37823
ID ABC37823 standard; DNA; 13 BP.
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 13 BP; 4 A; 0 C; 6 G; 3 T; 0 U; 0 Other;

Query Match      12.9%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 1.3e+03;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy  934 CTCCTCTTCAT 944
Db  12 CTCCTCTTCAT 2

RESULT 2207
ABC37823
ID ABC37823 standard; DNA; 13 BP.
XX

```

```

XX
AC ABC37823;
XX
DT 20-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 37840 for detecting SNP TSC0011749.
XX
KW SNP: single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPITG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
DR WPI; 2001-657177/75.
XX
PT Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
PS Claim 1; SEQ ID NO 37840; 29pp + Sequence Listing; German.
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 13 BP; 3 A; 6 C; 0 G; 4 T; 0 U; 0 Other;
XX
CC Query Match      12.9%; Score 9.4; DB 1; Length 13;
CC Best Local Similarity 90.9%; Pred. No. 1.3e+03;
CC Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy  934 CTCCTCTTCAT 944
Db  2 CTCCTCTTCAT 12

RESULT 2208
ABC88573/c
ID ABC88573 standard; DNA; 13 BP.
XX
AC ABC88573;
XX
DT 21-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 88590 for detecting SNP TSC0022265.
XX
KW SNP: single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX

```


CC oligomers are also used for detecting cell type differentiation. ABC00010
 CC -ABC9989, ABF00010-ABF9989, ABH00010-ABH9989 and ABI00010-ABI82073
 CC represent the oligomers described in the invention. NOTE: The sequence
 CC data for this patent did not form part of the printed specification, but
 CC was obtained in electronic format from WIPO at
 CC ftp.wipo.int/pub/published_pct_sequences
 XX
 SQ Sequence 13 BP; 9 A; 3 C; 0 G; 1 T; 0 U; 0 Other;

Query Match 12.9%; Score 9.4; DB 1; Length 13;
 Best Local Similarity 90.9%; Pred. No. 1.3e+03;
 Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 907 ATTTCCTTTGG 917

Db 12 ATTTTITTTGG 2

RESULT 2211

ABC15494
 ID ABC15494 standard; DNA; 13 BP.

XX AC ABC15494;

XX DT 20-FEB-2002 (first entry)

DE DE Oligonucleotide SEQ ID NO 15501 for detecting SNP TSC0003435.

XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
 KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
 KW central nervous system; gastrointestinal; respiratory; immune; metabolic.

XX OS Homo sapiens.

XX PN WO200177384-A2.

XX PD 18-OCT-2001.

XX PF 06-APR-2001; 2001WO-IB000713.

XX PR 07-APR-2000; 2000DE-01019173.

XX PA (EPIG-) EPIGENOMICS AG.

XX PI Olek A, Piepenbrock C, Berlin K;

XX DR WPI; 2001-657177/75.

XX Set of oligonucleotides, useful for diagnosis and cell typing, is
 PT designed to detect single-nucleotide polymorphisms and cytosine
 PT methylation status.

XX Claim 1; SEQ ID NO 15501; 29pp + Sequence Listing; German.

XX This invention describes novel oligonucleotide primers or peptide nucleic
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
 CC and cytosine methylation status in chemically pretreated genomic DNA. The
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
 CC range of diseases including immune system, gastrointestinal, respiratory,
 CC central nervous system, cardiovascular and metabolic disorders. The
 CC oligomers are also used for detecting cell type differentiation. ABC00010
 CC -ABC9989, ABF00010-ABF9989, ABH00010-ABH9989 and ABI00010-ABI82073
 CC represent the oligomers described in the invention. NOTE: The sequence
 CC data for this patent did not form part of the printed specification, but
 CC was obtained in electronic format from WIPO at
 CC ftp.wipo.int/pub/published_pct_sequences
 XX

SQ Sequence 13 BP; 2 A; 0 C; 3 G; 7 T; 0 U; 1 Other;

Query Match 12.9%; Score 9.4; DB 1; Length 13;
 Best Local Similarity 90.9%; Pred. No. 1.3e+03;
 Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 941 TCATTGGTTTA 951

Db 2 TTATTGGTTTA 12

RESULT 2212

ABC65724/c
 ID ABC65724 standard; DNA; 13 BP.

XX AC ABC65724;

XX DT 21-FEB-2002 (first entry)

XX DE Oligonucleotide SEQ ID NO 65741 for detecting SNP TSC0017295.

XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
 KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
 KW central nervous system; gastrointestinal; respiratory; immune; metabolic.

XX OS Homo sapiens.

XX PN WO200177384-A2.

XX PD 18-OCT-2001.

XX PF 06-APR-2001; 2001WO-IB000713.

XX PR 07-APR-2000; 2000DE-01019173.

XX PA (EPIG-) EPIGENOMICS AG.

XX PI Olek A, Piepenbrock C, Berlin K;

XX DR WPI; 2001-657177/75.

XX Set of oligonucleotides, useful for diagnosis and cell typing, is
 PT designed to detect single-nucleotide polymorphisms and cytosine
 PT methylation status.

XX Claim 1; SEQ ID NO 65741; 29pp + Sequence Listing; German.

XX This invention describes novel oligonucleotide primers or peptide nucleic
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
 CC and cytosine methylation status in chemically pretreated genomic DNA. The
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
 CC range of diseases including immune system, gastrointestinal, respiratory,
 CC central nervous system, cardiovascular and metabolic disorders. The
 CC oligomers are also used for detecting cell type differentiation. ABC00010
 CC -ABC9989, ABF00010-ABF9989, ABH00010-ABH9989 and ABI00010-ABI82073
 CC represent the oligomers described in the invention. NOTE: The sequence
 CC data for this patent did not form part of the printed specification, but
 CC was obtained in electronic format from WIPO at
 CC ftp.wipo.int/pub/published_pct_sequences
 XX

SQ Sequence 13 BP; 3 A; 1 C; 5 G; 4 T; 0 U; 0 Other;

Query Match 12.9%; Score 9.4; DB 1; Length 13;
 Best Local Similarity 90.9%; Pred. No. 1.3e+03;
 Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 955 TATCGGTACCA 965

Db 12 TATCGGCACCA 2

RESULT 2213

ABF19571
 ID ABF19571 standard; DNA; 13 BP.

XX AC ABF19571;

XX DT 21-FEB-2002 (first entry)

```
DE Oligonucleotide SEQ ID NO 119568 for detecting SNP TSC0029845.
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX Homo sapiens.
XX WO200177384-A2.
XX 18-OCT-2001.
XX 06-APR-2001; 2001WO-IB000713.
XX 07-APR-2000; 2000DE-01019173.
XX (EPIG-) EPIGENOMICS AG.
XX Olek A, Piepenbrock C, Berlin K;
XX WPI; 2001-657177/75.
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX Claim 1; SEQ ID NO 119568; 29pp + Sequence Listing; German.
XX This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
XX Sequence 13 BP; 3 A; 5 C; 0 G; 4 T; 0 U; 1 Other;
Query Match 12.9%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 1.3e+03;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
QY 934 CTCCTCTTCAT 944
Db 3 CTCCTCTTCAT 13
RESULT 2214
ABF20918/c
ID ABF20918 standard; DNA; 13 BP.
XX AC ABF20918;
XX 21-FEB-2002 (first entry)
DE Oligonucleotide SEQ ID NO 120915 for detecting SNP TSC0030170.
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX Homo sapiens.
XX WO200177384-A2.
XX 18-OCT-2001.
XX 06-APR-2001; 2001WO-IB000713.
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XX 07-APR-2000; 2000DE-01019173.
XX (EPIG-) EPIGENOMICS AG.
XX Olek A, Piepenbrock C, Berlin K;
XX WPI; 2001-657177/75.
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX Claim 1; SEQ ID NO 120915; 29pp + Sequence Listing; German.
XX This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
XX Sequence 13 BP; 4 A; 1 C; 3 G; 5 T; 0 U; 0 Other;
Query Match 12.9%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 1.3e+03;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
QY 950 TAATGTATCGC 960
Db 12 TAATGTATCGC 2
RESULT 2215
ABF26357/c
ID ABF26357 standard; DNA; 13 BP.
XX AC ABF26357;
XX 21-FEB-2002 (first entry)
DE Oligonucleotide SEQ ID NO 126354 for detecting SNP TSC0031615.
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX Homo sapiens.
XX WO200177384-A2.
XX 18-OCT-2001.
XX 06-APR-2001; 2001WO-IB000713.
XX 07-APR-2000; 2000DE-01019173.
XX (EPIG-) EPIGENOMICS AG.
XX Olek A, Piepenbrock C, Berlin K;
XX WPI; 2001-657177/75.
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
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PS Claim 1; SEQ ID NO 126354; 29pp + Sequence Listing; German.
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC000010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 13 BP; 6 A; 4 C; 0 G; 3 T; 0 U; 0 Other;
XX
Query Match 12.9%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 1.3e+03;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
XX
QY 946 GGTTTAATGTA 956
DB 13 GGTTTAATTA 3
XX
RESULT 2216
ABF33101/C
ID ABF33101 standard; DNA; 13 BP.
XX
AC ABF33101;
XX
DT 21-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 133098 for detecting SNP TSC0033208.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
WPI; 2001-657177/75.
XX
Set of oligonucleotides, useful for diagnosis and cell typing, is
designed to detect single-nucleotide polymorphisms and cytosine
methylation status.
XX
Claim 1; SEQ ID NO 133098; 29pp + Sequence Listing; German.
XX
This invention describes novel oligonucleotide primers or peptide nucleic
acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
and cytosine methylation status in chemically pretreated genomic DNA. The
oligonucleotides are used for diagnosis and/or prognosis of cancer and a
range of diseases including immune system, gastrointestinal, respiratory,
central nervous system, cardiovascular and metabolic disorders. The
oligomers are also used for detecting cell type differentiation. ABC000010
-ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
represent the oligomers described in the invention. NOTE: The sequence
data for this patent did not form part of the printed specification, but
was obtained in electronic format from WIPO at
ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 13 BP; 6 A; 4 C; 0 G; 3 T; 0 U; 0 Other;
XX
Query Match 12.9%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 1.3e+03;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
XX
QY 946 GGTTTAATGTA 956
DB 13 GGTTTAATTA 3
XX
RESULT 2217
ABF35480
ID ABF35480 standard; DNA; 13 BP.
XX
AC ABF35480;
XX
DT 21-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 135477 for detecting SNP TSC0033820.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
WPI; 2001-657177/75.
XX
Set of oligonucleotides, useful for diagnosis and cell typing, is
designed to detect single-nucleotide polymorphisms and cytosine
methylation status.
XX
Claim 1; SEQ ID NO 135477; 29pp + Sequence Listing; German.
XX
This invention describes novel oligonucleotide primers or peptide nucleic
acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
and cytosine methylation status in chemically pretreated genomic DNA. The
oligonucleotides are used for diagnosis and/or prognosis of cancer and a
range of diseases including immune system, gastrointestinal, respiratory,
central nervous system, cardiovascular and metabolic disorders. The
oligomers are also used for detecting cell type differentiation. ABC000010
-ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
represent the oligomers described in the invention. NOTE: The sequence
data for this patent did not form part of the printed specification, but
was obtained in electronic format from WIPO at
ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 13 BP; 0 A; 1 C; 5 G; 7 T; 0 U; 0 Other;
XX
Query Match 12.9%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 1.3e+03;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
XX
QY 940 TTCATTGGTTT 950
DB 1 TTCATTGGTTT 11
XX
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RESULT 2218
ABF43103/c
ID ABF43103 standard; DNA; 13 BP.
XX AC ABF43103;
XX DT 21-FEB-2002 (first entry)
XX DE Oligonucleotide SEQ ID NO 143100 for detecting SNP TSC0035891.
XX SNF; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX OS Homo sapiens.
XX PN WO200177384-A2.
XX PD 18-OCT-2001.
XX PF 06-APR-2001; 2001WO-IB000713.
XX PR 07-APR-2000; 2000DE-01019173.
XX PA (EPIG-) EPIGENOMICS AG.
XX PI Olek A, Piepenbrock C, Berlin K;
XX DR WPI; 2001-657177/75.
XX PT Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX PS Claim 1; SEQ ID NO 143100; 29pp + Sequence Listing; German.
XX CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX SQ Sequence 13 BP; 9 A; 3 C; 0 G; 1 T; 0 U; 0 Other;
XX Query Match 12.9%; Score 9.4; DB 1; Length 13;
XX Best Local Similarity 90.9%; Pred. No. 1.3e+03;
XX Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
XX QY 913 TTGGTCTTTG 923
XX DB 13 TTGGTATTG 3
XX RESULT 2219
ABF93305/c
ID ABF93305 standard; DNA; 13 BP.
XX AC ABF93305;
XX DT 22-FEB-2002 (first entry)
XX DE Oligonucleotide SEQ ID NO 193302 for detecting SNP TSC0047559.
XX SNF; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX OS Homo sapiens.
XX PN WO200177384-A2.
XX PD 18-OCT-2001.
XX PF 06-APR-2001; 2001WO-IB000713.
XX PR 07-APR-2000; 2000DE-01019173.
XX PA (EPIG-) EPIGENOMICS AG.
XX PI Olek A, Piepenbrock C, Berlin K;
XX DR WPI; 2001-657177/75.
XX PT Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX PS Claim 1; SEQ ID NO 143100; 29pp + Sequence Listing; German.
XX CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX SQ Sequence 13 BP; 9 A; 3 C; 0 G; 1 T; 0 U; 0 Other;
XX Query Match 12.9%; Score 9.4; DB 1; Length 13;
XX Best Local Similarity 90.9%; Pred. No. 1.3e+03;
XX Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
XX QY 913 TTGGTCTTTG 923
XX DB 13 TTGGTATTG 3
XX RESULT 2220
ABF43685/c
ID ABF43685 standard; DNA; 13 BP.
XX AC ABF43685;
XX DT 21-FEB-2002 (first entry)
XX DE Oligonucleotide SEQ ID NO 143682 for detecting SNP TSC0036076.
XX SNF; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX OS Homo sapiens.
XX PN WO200177384-A2.
XX PD 18-OCT-2001.
XX PF 06-APR-2001; 2001WO-IB000713.
XX PR 07-APR-2000; 2000DE-01019173.
XX PA (EPIG-) EPIGENOMICS AG.
XX QY 947 GTTTAATGTAT 957
XX DB 13 GGTATATGTAT 3
XX RESULT 2220
ABF43685/c
ID ABF43685 standard; DNA; 13 BP.
XX AC ABF43685;
XX DT 21-FEB-2002 (first entry)
XX DE Oligonucleotide SEQ ID NO 143682 for detecting SNP TSC0036076.
XX SNF; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX OS Homo sapiens.
XX PN WO200177384-A2.
XX PD 18-OCT-2001.
XX PF 06-APR-2001; 2001WO-IB000713.
XX PR 07-APR-2000; 2000DE-01019173.
XX PA (EPIG-) EPIGENOMICS AG.
XX QY 947 GTTTAATGTAT 957
XX DB 13 GGTATATGTAT 3
```

Olek A, Piepenbrock C, Berlin K;
WPI; 2001-657177/75.
Set of oligonucleotides, useful for diagnosis and cell typing, is designed to detect single-nucleotide polymorphisms and cytosine methylation status.
Claim 1; SEQ ID NO 143682; 29pp + Sequence Listing; German.
This invention describes novel oligonucleotide primers or peptide nucleic acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP) and cytosine methylation status in chemically pretreated genomic DNA. The oligonucleotides are used for diagnosis and/or prognosis of cancer and a range of diseases including immune system, gastrointestinal, respiratory, central nervous system, cardiovascular and metabolic disorders. The oligomers are also used for detecting cell type differentiation. ABC00010-ABH99989, ABH00010-ABH99989 and ABH00010-ABI82073 represent the oligomers described in the invention. NOTE: The sequence data for this patent did not form part of the printed specification, but was obtained in electronic format from WIPO at ftp.wipo.int/pub/published_pct_sequences

Sequence 13 BP; 7 A; 2 C; 1 G; 2 T; 0 U; 1 Other;
Query Match 12.9%; Score 9.4; DB 1; Length 13;
Best Local Similarity 76.9%; Pred. No. 1.3e+03;
Matches 10; Conservative 1; Mismatches 2; Indels 0; Gaps 0;

QY 920 TTTCGCTTTTATC 932
|||||
13 TTTCGCTTTTATC 1

RESULT 2221
ABF44656/C
ID ABF44656 standard; DNA; 13 BP.
XX
AC ABF44656;
XX
DT 21-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 144653 for detecting SNP TSC0036377.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
WPI; 2001-657177/75.
XX
Set of oligonucleotides, useful for diagnosis and cell typing, is designed to detect single-nucleotide polymorphisms and cytosine methylation status.
Claim 1; SEQ ID NO 144653; 29pp + Sequence Listing; German.
This invention describes novel oligonucleotide primers or peptide nucleic acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP) and cytosine methylation status in chemically pretreated genomic DNA. The oligonucleotides are used for diagnosis and/or prognosis of cancer and a range of diseases including immune system, gastrointestinal, respiratory, central nervous system, cardiovascular and metabolic disorders. The oligomers are also used for detecting cell type differentiation. ABC00010-ABH99989, ABH00010-ABH99989 and ABH00010-ABI82073 represent the oligomers described in the invention. NOTE: The sequence data for this patent did not form part of the printed specification, but was obtained in electronic format from WIPO at ftp.wipo.int/pub/published_pct_sequences

Sequence 13 BP; 3 A; 0 C; 8 G; 2 T; 0 U; 0 Other;
Query Match 12.9%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 1.3e+03;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 929 TATCCCTCCCTC 939
|||||
12 TATCCCTCCCTC 2

RESULT 2222
ABF44661
ID ABF44661 standard; DNA; 13 BP.
XX
AC ABF44661;
XX
DT 21-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 144658 for detecting SNP TSC0036377.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
WPI; 2001-657177/75.
XX
Set of oligonucleotides, useful for diagnosis and cell typing, is designed to detect single-nucleotide polymorphisms and cytosine methylation status.
Claim 1; SEQ ID NO 144658; 29pp + Sequence Listing; German.
This invention describes novel oligonucleotide primers or peptide nucleic acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP) and cytosine methylation status in chemically pretreated genomic DNA. The oligonucleotides are used for diagnosis and/or prognosis of cancer and a range of diseases including immune system, gastrointestinal, respiratory, central nervous system, cardiovascular and metabolic disorders. The oligomers are also used for detecting cell type differentiation. ABC00010-ABH99989, ABH00010-ABH99989 and ABH00010-ABI82073 represent the oligomers described in the invention. NOTE: The sequence data for this patent did not form part of the printed specification, but was obtained in electronic format from WIPO at ftp.wipo.int/pub/published_pct_sequences

Sequence 13 BP; 1 A; 8 C; 1 G; 3 T; 0 U; 0 Other;
Query Match 12.9%; Score 9.4; DB 1; Length 13;

XX	DT	(first entry)
XX	DE	Oligonucleotide SEQ ID NO 173291 for detecting SNP TSC0043175.
XX	KW	SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX	KW	peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX	KW	central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX	OS	Homo sapiens.
XX	PN	WO200177384-A2.
XX	PD	18-OCT-2001.
XX	PF	06-APR-2001; 2001WO-IB000713.
XX	PR	07-APR-2000; 2000DE-01019173.
XX	PA	(EPIG-) EPIGENOMICS AG.
XX	PI	Olek A, Piepenbrock C, Berlin K,
XX	DR	WPI; 2001-657177/75.
XX	PT	Set of oligonucleotides, useful for diagnosis and cell typing, is
XX	PT	designed to detect single-nucleotide polymorphisms and cytosine
XX	PT	methylation status.
XX	PS	Claim 1; SEQ ID NO 173291; 29pp + Sequence Listing; German.
XX	CC	This invention describes novel oligonucleotide primers or peptide nucleic
XX	CC	acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
XX	CC	and cytosine methylation status in chemically pretreated genomic DNA. The
XX	CC	oligonucleotides are used for diagnosis and/or prognosis of cancer and a
XX	CC	range of diseases including immune system, gastrointestinal, respiratory,
XX	CC	central nervous system, cardiovascular and metabolic disorders. The
XX	CC	oligomers are also used for detecting cell type differentiation. ABC00010
XX	CC	-ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
XX	CC	represent the oligomers described in the invention. NOTE: The sequence
XX	CC	data for this patent did not form part of the printed specification, but
XX	CC	was obtained in electronic format from WIPO at
XX	CC	ftp.wipo.int/pub/published_pct_sequences
XX	SQ	Sequence 13 BP; 2 A; 0 C; 3 G; 8 T; 0 U; 0 Other;
		Query Match 12.9%; Score 9.4; DB 1; Length 13;
		Best Local Similarity 90.9%; Pred. No. 1.3e+03;
		Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
Qy	940	TTCATTGGTTT 950
Dd	3	TITATGGTTT 13
RESULT 2225		
ABF49518		
ID	ABF49518 standard; DNA; 13 BP.	
XX	AC	ABF49518;
XX	AC	ABF49518;
DT	21-FEB-2002 (first entry)	
XX	DE	Oligonucleotide SEQ ID NO 149515 for detecting SNP TSC0037742.
XX	KW	SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX	KW	peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX	KW	central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX	OS	Homo sapiens.
XX	PN	WO200177384-A2.
XX	PN	

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PD 18-OCT-2001.
XX
XX 06-APR-2001; 2001WO-IB000713.
XX
XX 07-APR-2000; 2000DE-01019173.
XX
XX (EPIC-) EPIGENOMICS AG.
XX
XX Olek A, Piepenbrock C, Berlin K;
XX
XX WPI; 2001-657177/75.
XX
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
XX Claim 1; SEQ ID NO 149515; 29pp + Sequence Listing; German.
XX
XX This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
XX Sequence 13 BP; 9 A; 0 C; 3 G; 9 T; 0 U; 1 Other;
XX
XX Query Match 12.9%; Score 9.4; DB 1; Length 13;
XX Best Local Similarity 90.9%; Pred. No. 1.3e+03;
XX Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
XX
QY 908 TTTTCTTTTGGT 918
Db 1 TTTTGTGGT 11
|||||
|||||

RESULT 2226
ABF49519/c
ID ABF49519 standard; DNA; 13 BP.
XX
XX ABF49519;
XX
XX 21-FEB-2002 (first entry)
XX
XX Oligonucleotide SEQ ID NO 149516 for detecting SNP TSC0037742.
XX
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
XX Homo sapiens.
XX
XX WO200177384-A2.
XX
XX 18-OCT-2001.
XX
XX 06-APR-2001; 2001WO-IB000713.
XX
XX 07-APR-2000; 2000DE-01019173.
XX
XX (EPIC-) EPIGENOMICS AG.
XX
XX Olek A, Piepenbrock C, Berlin K;
XX
XX WPI; 2001-657177/75.
XX
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
XX Claim 1; SEQ ID NO 149516; 29pp + Sequence Listing; German.
XX
XX This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
XX Sequence 13 BP; 0 A; 0 C; 3 G; 9 T; 0 U; 1 Other;
XX
XX Query Match 12.9%; Score 9.4; DB 1; Length 13;
XX Best Local Similarity 90.9%; Pred. No. 1.3e+03;
XX Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
XX
QY 908 TTTTCTTTTGGT 918
Db 1 TTTTGTGGT 11
|||||
|||||

RESULT 2226
ABF49519/c
ID ABF49519 standard; DNA; 13 BP.
XX
XX ABF49519;
XX
XX 21-FEB-2002 (first entry)
XX
XX Oligonucleotide SEQ ID NO 149516 for detecting SNP TSC0037742.
XX
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
XX Homo sapiens.
XX
XX WO200177384-A2.
XX
XX 18-OCT-2001.
XX
XX 06-APR-2001; 2001WO-IB000713.
XX
XX 07-APR-2000; 2000DE-01019173.
XX
XX (EPIC-) EPIGENOMICS AG.
XX
XX Olek A, Piepenbrock C, Berlin K;
XX
XX WPI; 2001-657177/75.
XX
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
XX Claim 1; SEQ ID NO 149515; 29pp + Sequence Listing; German.
XX
XX This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
XX Sequence 13 BP; 0 A; 0 C; 3 G; 9 T; 0 U; 1 Other;
XX
XX Query Match 12.9%; Score 9.4; DB 1; Length 13;
XX Best Local Similarity 90.9%; Pred. No. 1.3e+03;
XX Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
XX
QY 908 TTTTCTTTTGGT 918
Db 1 TTTTGTGGT 11
|||||
|||||

RESULT 2227
ABH25153/c
ID ABH25153 standard; DNA; 13 BP.
XX
XX ABH25153;
XX
XX 22-FEB-2002 (first entry)
XX
XX Oligonucleotide SEQ ID NO 225130 for detecting SNP TSC0054886.
XX
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
XX Homo sapiens.
XX
XX WO200177384-A2.
XX
XX 18-OCT-2001.
XX
XX 06-APR-2001; 2001WO-IB000713.
XX
XX 07-APR-2000; 2000DE-01019173.
XX
XX (EPIC-) EPIGENOMICS AG.
XX
XX Olek A, Piepenbrock C, Berlin K;
XX
XX WPI; 2001-657177/75.
XX
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
XX Claim 1; SEQ ID NO 225130; 29pp + Sequence Listing; German.
XX
XX This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
XX Sequence 13 BP; 9 A; 3 C; 0 G; 0 T; 0 U; 1 Other;
XX
XX Query Match 12.9%; Score 9.4; DB 1; Length 13;
XX Best Local Similarity 90.9%; Pred. No. 1.3e+03;
XX Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
XX
QY 908 TTTTCTTTTGGT 918
Db 13 TTTTGTGGT 3
|||||
|||||

```


CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 13 BP; 6 A; 2 C; 0 G; 4 T; 0 U; 1 Other;

Query Match 12.9%; Score 9.4; DB 1; Length 13;
Best Local Similarity 76.9%; Pred. No. 1.3e+03;
Matches 10; Conservative 1; Mismatches 2; Indels 0; Gaps 0;

QY 943 ATTGTTTAATCT 955
||| |||||
DB 13 ATATGTTTAATGY 1

RESULT 2228
ABH00850
ID ABH00850 standard; DNA; 13 BP.
XX AC ABH00850;
XX
DT 22-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 200827 for detecting SNP TSC0049410.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
FN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
DR WPI; 2001-657177/75.
XX
PT Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
PS Claim 1; SEQ ID NO 200827; 29pp + Sequence Listing; German.

CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 13 BP; 1 A; 0 C; 2 G; 9 T; 0 U; 1 Other;
XX
Query Match 12.9%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 1.3e+03;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 940 TTCATGGTTT 950
||| |||||

Db 2 TTTATTGGTTT 12

RESULT 2229
ABF78025/C
ID ABF78025 standard; DNA; 13 BP.
XX AC ABF78025;
XX
DT 22-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 178022 for detecting SNP TSC0044112.

XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
FN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
DR WPI; 2001-657177/75.
XX
PT Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
PS Claim 1; SEQ ID NO 178022; 29pp + Sequence Listing; German.

CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 13 BP; 6 A; 1 C; 0 G; 5 T; 0 U; 1 Other;
XX
Query Match 12.9%; Score 9.4; DB 1; Length 13;
Best Local Similarity 76.9%; Pred. No. 1.3e+03;
Matches 10; Conservative 1; Mismatches 2; Indels 0; Gaps 0;

QY 948 TTTAATGTCGTCG 960
||| |||||
DB 13 TTTAATATATAGY 1

RESULT 2230
ABF80153
ID ABF80153 standard; DNA; 13 BP.
XX AC ABF80153;
XX
DT 22-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 180150 for detecting SNP TSC0044601.

XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
FN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
DR WPI; 2001-657177/75.
XX
PT Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
PS Claim 1; SEQ ID NO 178022; 29pp + Sequence Listing; German.

CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 13 BP; 6 A; 1 C; 0 G; 5 T; 0 U; 1 Other;
XX
Query Match 12.9%; Score 9.4; DB 1; Length 13;
Best Local Similarity 76.9%; Pred. No. 1.3e+03;
Matches 10; Conservative 1; Mismatches 2; Indels 0; Gaps 0;

QY 948 TTTAATGTCGTCG 960
||| |||||
DB 13 TTTAATATATAGY 1

RESULT 2230
ABF80153
ID ABF80153 standard; DNA; 13 BP.
XX AC ABF80153;
XX
DT 22-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 180150 for detecting SNP TSC0044601.

XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
FN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
DR WPI; 2001-657177/75.
XX
PT Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
PS Claim 1; SEQ ID NO 178022; 29pp + Sequence Listing; German.

KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
 KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
 KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
 XX

OS Homo sapiens.

PN WO200177384-A2.

XX 18-OCT-2001.

XX 06-APR-2001; 2001WO-IB0000713.

XX 07-APR-2000; 2000DE-01019173.
 XX (EPIC-) EPIGENOMICS AG.

XX Olek A, Piepenbrock C, Berlin K;

XX WPI; 2001-657177/75.

XX Set of oligonucleotides, useful for diagnosis and cell typing, is

PT designed to detect single-nucleotide polymorphisms and cytosine
 PT methylation status.
 XX

PS Claim 1; SEQ ID NO 180150; 29pp + Sequence Listing; German.

XX This invention describes novel oligonucleotide primers or peptide nucleic
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
 CC and cytosine methylation status in chemically pretreated genomic DNA. The
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
 CC range of diseases including immune system, gastrointestinal, respiratory,
 CC central nervous system, cardiovascular and metabolic disorders. The
 CC oligomers are also used for detecting cell type differentiation. ABC00010
 CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
 CC represent the oligomers described in the invention. NOTE: The sequence
 CC data for this patent did not form part of the printed specification, but
 CC was obtained in electronic format from WIPO at
 CC ftp.wipo.int/pub/published_pct_sequences

XX Sequence 13 BP; 1 A; 1 C; 0 G; 11 T; 0 U; 0 Other;

Query Match 12.9%; Score 9.4; DB 1; Length 13;
 Best Local Similarity 90.9%; Pred. No. 1.3e+03;
 Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 905 TCATTTTCTTT 915

DB 1 TCATTTTCTTT 11

RESULT 2231

ABH05542/C
 ID ABH05542 standard; DNA; 13 BP.

XX AC ABH05542;

XX 22-FEB-2002 (first entry)

DE Oligonucleotide SEQ ID NO 205519 for detecting SNP TSC0050379.

XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
 KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
 KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
 XX

OS Homo sapiens.

PN WO200177384-A2.

XX 18-OCT-2001.

XX 06-APR-2001; 2001WO-IB0000713.
 XX 07-APR-2000; 2000DE-01019173.

XX (EPIC-) EPIGENOMICS AG.
 XX Olek A, Piepenbrock C, Berlin K;
 XX WPI; 2001-657177/75.

XX Set of oligonucleotides, useful for diagnosis and cell typing, is
 PT designed to detect single-nucleotide polymorphisms and cytosine
 PT methylation status.
 XX

PS Claim 1; SEQ ID NO 205519; 29pp + Sequence Listing; German.

XX This invention describes novel oligonucleotide primers or peptide nucleic
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
 CC and cytosine methylation status in chemically pretreated genomic DNA. The
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
 CC range of diseases including immune system, gastrointestinal, respiratory,
 CC central nervous system, cardiovascular and metabolic disorders. The
 CC oligomers are also used for detecting cell type differentiation. ABC00010
 CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
 CC represent the oligomers described in the invention. NOTE: The sequence
 CC data for this patent did not form part of the printed specification, but
 CC was obtained in electronic format from WIPO at
 CC ftp.wipo.int/pub/published_pct_sequences

XX Sequence 13 BP; 6 A; 0 C; 3 G; 3 T; 0 U; 1 Other;

Query Match 12.9%; Score 9.4; DB 1; Length 13;
 Best Local Similarity 76.9%; Pred. No. 1.3e+03;
 Matches 10; Conservative 1; Mismatches 2; Indels 0; Gaps 0;

QY 923 GCCTTTTATCCCT 935

DB 13 RCCTTTTATACAT 1

RESULT 2232

ABH05543
 ID ABH05543 standard; DNA; 13 BP.

XX AC ABH05543;

XX 22-FEB-2002 (first entry)

DE Oligonucleotide SEQ ID NO 205520 for detecting SNP TSC0050379.

XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
 KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
 KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
 XX

OS Homo sapiens.

PN WO200177384-A2.

XX 18-OCT-2001.

XX 06-APR-2001; 2001WO-IB0000713.
 XX 07-APR-2000; 2000DE-01019173.

XX (EPIC-) EPIGENOMICS AG.

XX Olek A, Piepenbrock C, Berlin K;

XX WPI; 2001-657177/75.

XX Set of oligonucleotides, useful for diagnosis and cell typing, is
 PT designed to detect single-nucleotide polymorphisms and cytosine
 PT methylation status.
 XX

PS Claim 1; SEQ ID NO 205520; 29pp + Sequence Listing; German.

CC This invention describes novel oligonucleotide primers or peptide nucleic acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP) and cytosine methylation status in chemically pretreated genomic DNA. The oligonucleotides are used for diagnosis and/or prognosis of cancer and a range of diseases including immune system, gastrointestinal, respiratory, central nervous system, cardiovascular and metabolic disorders. The oligomers are also used for detecting cell type differentiation. ABC00010 -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073 represent the oligomers described in the invention. NOTE: The sequence data for this patent did not form part of the printed specification, but was obtained in electronic format from WIPO at ftp.wipo.int/pub/published_pct_sequences

SQ Sequence 13 BP; 3 A; 3 C; 0 G; 6 T; 0 U; 1 Other;

Query Match 12.9%; Score 9.4; DB 1; Length 13;
Best Local Similarity 76.9%; Pred. No. 1.3e+03;
Matches 10; Conservative 1; Mismatches 2; Indels 0; Gaps 0;

OY 923 GCCTTTTATCCCT 935
Db 1 RCTTTTATACAT 13

RESULT 2233
ABF0831/c
ID ABF0831 standard; DNA; 13 BP.
XX
AC ABF0831;
XX
DT 22-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 180828 for detecting SNP TSC0044744.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
DR WPI; 2001-657177/75.
XX
PT Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
PS Claim 1; SEQ ID NO 180828; 29pp + Sequence Listing; German.
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP) and cytosine methylation status in chemically pretreated genomic DNA. The oligonucleotides are used for diagnosis and/or prognosis of cancer and a range of diseases including immune system, gastrointestinal, respiratory, central nervous system, cardiovascular and metabolic disorders. The oligomers are also used for detecting cell type differentiation. ABC00010 -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073 represent the oligomers described in the invention. NOTE: The sequence data for this patent did not form part of the printed specification, but was obtained in electronic format from WIPO at ftp.wipo.int/pub/published_pct_sequences

SQ Sequence 13 BP; 6 A; 2 C; 0 G; 5 T; 0 U; 0 Other;

Query Match 12.9%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 1.3e+03;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

OY 946 GGTTTAATGTA 956
Db 12 GGTTTAATTTA 2

RESULT 2234
ABF81513/c
ID ABF81513 standard; DNA; 13 BP.
XX
AC ABF81513;
XX
DT 22-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 181510 for detecting SNP TSC0044883.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
DR WPI; 2001-657177/75.
XX
PT Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
PS Claim 1; SEQ ID NO 181510; 29pp + Sequence Listing; German.
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP) and cytosine methylation status in chemically pretreated genomic DNA. The oligonucleotides are used for diagnosis and/or prognosis of cancer and a range of diseases including immune system, gastrointestinal, respiratory, central nervous system, cardiovascular and metabolic disorders. The oligomers are also used for detecting cell type differentiation. ABC00010 -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073 represent the oligomers described in the invention. NOTE: The sequence data for this patent did not form part of the printed specification, but was obtained in electronic format from WIPO at ftp.wipo.int/pub/published_pct_sequences

SQ Sequence 13 BP; 8 A; 2 C; 0 G; 2 T; 0 U; 1 Other;

Query Match 12.9%; Score 9.4; DB 1; Length 13;
Best Local Similarity 76.9%; Pred. No. 1.3e+03;
Matches 10; Conservative 1; Mismatches 2; Indels 0; Gaps 0;

OY 938 TCTTCATTGGTTT 950
Db 13 TTTTATTGGTTY 1

RESULT 2235
ABH08284/c

```

ID ABH08284 standard; DNA; 13 BP.
XX AC ABH08284;
XX DT 22-FEB-2002 (first entry)
XX DE Oligonucleotide SEQ ID NO 208261 for detecting SNP TSC0050910.
XX KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX OS Homo sapiens.
XX PN WO200177384-A2.
XX PD 18-OCT-2001.
XX PF 06-APR-2001; 2001WO-IB000713.
XX PR 07-APR-2000; 2000DE-01019173.
XX PA (EPIG-) EPIGENOMICS AG.
XX PI Olek A, Piepenbrock C, Berlin K;
XX DR WPI; 2001-657177/75.
XX PT Set of oligonucleotides, useful for diagnosis and cell typing, is
XX PT designed to detect single-nucleotide polymorphisms and cytosine
XX PT methylation status.
XX PS Claim 1; SEQ ID NO 208261; 29pp + Sequence Listing; German.
XX CC This invention describes novel oligonucleotide primers or peptide nucleic
XX CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
XX CC and cytosine methylation status in chemically pretreated genomic DNA. The
XX CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
XX CC range of diseases including immune system, gastrointestinal, respiratory,
XX CC central nervous system, cardiovascular and metabolic disorders. The
XX CC oligomers are also used for detecting cell type differentiation. ABC00010
XX CC -ABG9989, ABF00010-ABF9989, ABH00010-ABH9989 and ABI00010-ABI82073
XX CC represent the oligomers described in the invention. NOTE: The sequence
XX CC data for this patent did not form part of the printed specification, but
XX CC was obtained in electronic format from WIPO at
XX CC ftp.wipo.int/pub/published_pct_sequences
XX SQ Sequence 13 BP; 8 A; 0 C; 5 G; 0 T; 0 U; 0 Other;
XX Query Match 12.9%; Score 9.4; DB 1; Length 13;
XX Best Local Similarity 90.9%; Pred. No. 1.3e+03;
XX Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
QY 919 CTTTCCTTTT 929
DB 11 CTTTCCTTTT 1
RESULT 2236
ABH08919/c
ID ABH08919 standard; DNA; 13 BP.
XX AC ABH08919;
XX DT 22-FEB-2002 (first entry)
XX DE Oligonucleotide SEQ ID NO 208986 for detecting SNP TSC006015.
XX KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX OS Homo sapiens.

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XX WO200177384-A2.
XX PD 18-OCT-2001.
XX PF 06-APR-2001; 2001WO-IB000713.
XX PR 07-APR-2000; 2000DE-01019173.
XX PA (EPIG-) EPIGENOMICS AG.
XX PI Olek A, Piepenbrock C, Berlin K;
XX DR WPI; 2001-657177/75.
XX PT Set of oligonucleotides, useful for diagnosis and cell typing, is
XX PT designed to detect single-nucleotide polymorphisms and cytosine
XX PT methylation status.
XX PS Claim 1; SEQ ID NO 208896; 29pp + Sequence Listing; German.
XX CC This invention describes novel oligonucleotide primers or peptide nucleic
XX CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
XX CC and cytosine methylation status in chemically pretreated genomic DNA. The
XX CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
XX CC range of diseases including immune system, gastrointestinal, respiratory,
XX CC central nervous system, cardiovascular and metabolic disorders. The
XX CC oligomers are also used for detecting cell type differentiation. ABC00010
XX CC -ABG9989, ABF00010-ABF9989, ABH00010-ABH9989 and ABI00010-ABI82073
XX CC represent the oligomers described in the invention. NOTE: The sequence
XX CC data for this patent did not form part of the printed specification, but
XX CC was obtained in electronic format from WIPO at
XX CC ftp.wipo.int/pub/published_pct_sequences
XX SQ Sequence 13 BP; 9 A; 3 C; 0 G; 0 T; 0 U; 1 Other;
XX Query Match 12.9%; Score 9.4; DB 1; Length 13;
XX Best Local Similarity 76.9%; Pred. No. 1.3e+03;
XX Matches 10; Conservative 1; Mismatches 2; Indels 0; Gaps 0;
QY 910 TTCTTCGCTTTT 922
DB 13 TTTTTCGCTTTT 1
RESULT 2237
ABH10811/c
ID ABH10811 standard; DNA; 13 BP.
XX AC ABH10811;
XX DT 22-FEB-2002 (first entry)
XX DE Oligonucleotide SEQ ID NO 210788 for detecting SNP TSC0010484.
XX KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX OS Homo sapiens.
XX PN WO200177384-A2.
XX PD 18-OCT-2001.
XX PF 06-APR-2001; 2001WO-IB000713.
XX PR 07-APR-2000; 2000DE-01019173.
XX PA (EPIG-) EPIGENOMICS AG.
XX PI Olek A, Piepenbrock C, Berlin K;

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XX DE Oligonucleotide SEQ ID NO 217021 for detecting SNP TSC0052748.
XX SN; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX OS Homo sapiens.
XX PN WO200177384-A2.
XX PD 18-OCT-2001.
XX PF 06-APR-2001; 2001WO-IB000713.
XX PR 07-APR-2000; 2000DE-01019173.
XX PA (EPIG-) EPIGENOMICS AG.
XX PI Olek A, Piepenbrock C, Berlin K;
XX WI; 2001-657177/75.
XX PT Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX PS Claim 1; SEQ ID NO 217021; 29pp + Sequence Listing; German.
XX CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and AB100010-AB182073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX SQ Sequence 13 BP; 0 A; 0 C; 3 G; 9 T; 0 U; 1 Other;
Query Match 12.9%; Score 9.4; DB 1; Length 13;
Best Local Similarity 76.9%; Pred. No. 1.3e+03;
Matches 10; Conservative 1; Mismatches 2; Indels 0; Gaps 0;
Qy 910 TTCTTTGGCTTT 922
Db 1 TTTTCTTTTA 13
RESULT 2242
ABH51807/c
ID ABH51807 standard; DNA; 13 BP.
XX AC ABH51807;
XX DT 22-FEB-2002 (first entry)
XX DE Oligonucleotide SEQ ID NO 251784 for detecting SNP TSC0061446.
XX SN; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX OS Homo sapiens.
XX PN WO200177384-A2.
XX PD 18-OCT-2001.

Qy 943 ATTGGTTTAAAT 953
Db 12 ATTGGATTAAAT 2
RESULT 2240
ABH39907
ID ABH39907 standard; DNA; 13 BP.
XX AC ABH39907;
XX DT 22-FEB-2002 (first entry)
XX DE Oligonucleotide SEQ ID NO 239884 for detecting SNP TSC0008514.
XX SN; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX OS Homo sapiens.
XX PN WO200177384-A2.
XX PD 18-OCT-2001.
XX PF 06-APR-2001; 2001WO-IB000713.
XX PR 07-APR-2000; 2000DE-01019173.
XX PA (EPIG-) EPIGENOMICS AG.
XX PI Olek A, Piepenbrock C, Berlin K;
XX WI; 2001-657177/75.
XX PT Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX PS Claim 1; SEQ ID NO 239884; 29pp + Sequence Listing; German.
XX CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and AB100010-AB182073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX SQ Sequence 13 BP; 2 A; 2 C; 0 G; 9 T; 0 U; 0 Other;
Query Match 12.9%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 1.3e+03;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
Qy 920 TTTCCTTTTA 930
Db 1 TTTTCTTTTA 11
RESULT 2241
ABH17044
ID ABH17044 standard; DNA; 13 BP.
XX AC ABH17044;
XX DT 22-FEB-2002 (first entry)

PF 06-APR-2001; 2001WO-IB000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
XX (EPIG-) EPIGENOMICS AG.
XX
XX Olek A, Piepenbrock C, Berlin K;
XX
XX WPI; 2001-657177/75.
XX
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
XX Claim 1; SEQ ID NO 251784; 29pp + Sequence Listing; German.
XX
XX This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
XX Sequence 13 BP; 4 A; 3 C; 1 G; 5 T; 0 U; 0 Other;
XX
XX Query Match 12.9%; Score 9.4; DB 1; Length 13;
XX Best Local Similarity 90.9%; Pred. No. 1.3e+03;
XX Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
XX
QY 949 TTAATGTATCG 959
DB 11 TGAATGTATCG 1
XX
RESULT 2243
ID ABH53897 standard; DNA; 13 BP.
XX
XX ABH53897;
XX
XX 22-FEB-2002 (first entry)
XX
XX Oligonucleotide SEQ ID NO 253874 for detecting SNP TSC0061899.
XX
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
XX Homo sapiens.
XX
XX WO200177384-A2.
XX
XX 18-OCT-2001.
XX
XX 06-APR-2001; 2001WO-IB000713.
XX
XX 07-APR-2000; 2000DE-01019173.
XX
XX (EPIG-) EPIGENOMICS AG.
XX
XX Olek A, Piepenbrock C, Berlin K;
XX
XX WPI; 2001-657177/75.
XX
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.

XX
PS Claim 1; SEQ ID NO 253874; 29pp + Sequence Listing; German.
XX
XX This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
XX Sequence 13 BP; 5 A; 4 C; 0 G; 3 T; 0 U; 1 Other;
XX
XX Query Match 12.9%; Score 9.4; DB 1; Length 13;
XX Best Local Similarity 76.9%; Pred. No. 1.3e+03;
XX Matches 10; Conservative 1; Mismatches 2; Indels 0; Gaps 0;
XX
QY 946 GGTTTAATGTATC 958
DB 13 GGTTTAATGTATC 1
XX
RESULT 2244
ID ABH54963 standard; DNA; 13 BP.
XX
XX ABH54963;
XX
XX 22-FEB-2002 (first entry)
XX
XX Oligonucleotide SEQ ID NO 254940 for detecting SNP TSC0010199.
XX
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
XX Homo sapiens.
XX
XX WO200177384-A2.
XX
XX 18-OCT-2001.
XX
XX 06-APR-2001; 2001WO-IB000713.
XX
XX 07-APR-2000; 2000DE-01019173.
XX
XX (EPIG-) EPIGENOMICS AG.
XX
XX Olek A, Piepenbrock C, Berlin K;
XX
XX WPI; 2001-657177/75.
XX
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
XX Claim 1; SEQ ID NO 254940; 29pp + Sequence Listing; German.
XX
XX This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
XX

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CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
XX Sequence 13 BP; 6 A; 3 C; 0 G; 4 T; 0 U; 0 Other;
SQ
    Query Match      12.9%; Score 9.4; DB 1; Length 13;
    Best Local Similarity 90.9%; Pred. No. 1.3e+03;
    Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 941 TCATTGGTTTA 951
DB 12 TAATTGGTTTA 2

RESULT 2245
ABH56216
ID ABH56216 standard; DNA; 13 BP.
XX
AC ABH56216;
XX
XX 22-FEB-2002 (first entry)
XX
XX Oligonucleotide SEQ ID NO 256193 for detecting SNP TSC0010142.
DE
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
XX Homo sapiens.
XX
XX WO200177384-A2.
XX
XX 18-OCT-2001.
XX
XX 06-APR-2001; 2001WO-IB000713.
XX
XX 07-APR-2000; 2000DE-01019173.
XX
XX (EPIG-) EPIGENOMICS AG.
XX
XX Olek A, Piepenbrock C, Berlin K;
XX
XX WPI; 2001-657177/75.
XX
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
XX Claim 1; SEQ ID NO 256193; 29pp + Sequence Listing; German.
XX
XX This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
XX Sequence 13 BP; 4 A; 0 C; 2 G; 7 T; 0 U; 0 Other;
XX
XX This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
XX Sequence 13 BP; 4 A; 0 C; 2 G; 7 T; 0 U; 0 Other;
XX
XX Query Match      12.9%; Score 9.4; DB 1; Length 13;
XX Best Local Similarity 90.9%; Pred. No. 1.3e+03;
XX Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 943 ATTTGGTTTAA 953
DB 3 ATTTGGTTTAA 13

RESULT 2246
ABH56217/c
ID ABH56217 standard; DNA; 13 BP.
XX
AC ABH56217;
XX
XX 22-FEB-2002 (first entry)
XX
XX Oligonucleotide SEQ ID NO 256194 for detecting SNP TSC0010142.
DE
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
XX Homo sapiens.
XX
XX WO200177384-A2.
XX
XX 18-OCT-2001.
XX
XX 06-APR-2001; 2001WO-IB000713.
XX
XX 07-APR-2000; 2000DE-01019173.
XX
XX (EPIG-) EPIGENOMICS AG.
XX
XX Olek A, Piepenbrock C, Berlin K;
XX
XX WPI; 2001-657177/75.
XX
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
XX Claim 1; SEQ ID NO 256194; 29pp + Sequence Listing; German.
XX
XX This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
XX Sequence 13 BP; 7 A; 2 C; 0 G; 4 T; 0 U; 0 Other;
XX
XX Query Match      12.9%; Score 9.4; DB 1; Length 13;
XX Best Local Similarity 90.9%; Pred. No. 1.3e+03;
XX Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 943 ATTTGGTTTAA 953
DB 11 ATTTGGTTTAA 1

RESULT 2247
ABC93030
ID ABC93030 standard; DNA; 13 BP.
XX
AC ABC93030;
XX
XX 21-FEB-2002 (first entry)
XX
XX Oligonucleotide SEQ ID NO 93047 for detecting SNP TSC0023263.
DE
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW

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KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX Homo sapiens.
XX WO200177384-A2.
XX 18-OCT-2001.
XX PF 06-APR-2001; 2001WO-IB000713.
XX PR 07-APR-2000; 2000DE-01019173.
XX PA (EPIG-) EPIGENOMICS AG.
XX PI Olek A, Piepenbrock C, Berlin K;
XX WPI; 2001-657177/75.
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX Claim 1; SEQ ID NO 93047; 29pp + Sequence Listing; German.
XX This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABP00010-ABF99989, ABH00010-ABH99989 and AB100010-AB182073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
XX Sequence 13 BP; 0 A; 1 C; 3 G; 9 T; 0 U; 0 Other;
XX
XX Query Match 12.9%; Score 9.4; DB 1; Length 13;
XX Best Local Similarity 90.9%; Pred. No. 1.3e+03;
XX Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
XX
XX QY 908 TTTTCTTTGGT 918
XX Db 3 TTTTCTTTGGT 13
XX
XX RESULT 2248
XX ABC94165
XX ID ABC94165 standard; DNA; 13 BP.
XX AC ABC94165;
XX 21-FEB-2002 (first entry)
XX
XX DE Oligonucleotide SEQ ID NO 94182 for detecting SNP TSC0023510.
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX Homo sapiens.
XX WO200177384-A2.
XX 18-OCT-2001.
XX
XX PF 06-APR-2001; 2001WO-IB000713.
XX PR 07-APR-2000; 2000DE-01019173.
XX PA (EPIG-) EPIGENOMICS AG.
XX PI Olek A, Piepenbrock C, Berlin K;
XX WPI; 2001-657177/75.
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX Claim 1; SEQ ID NO 94183; 29pp + Sequence Listing; German.
XX This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABP00010-ABF99989, ABH00010-ABH99989 and AB100010-AB182073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
XX Sequence 13 BP; 0 A; 1 C; 3 G; 9 T; 0 U; 0 Other;
XX
XX Query Match 12.9%; Score 9.4; DB 1; Length 13;
XX Best Local Similarity 90.9%; Pred. No. 1.3e+03;
XX Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
XX
XX QY 908 TTTTCTTTGGT 918
XX Db 3 TTTTCTTTGGT 13
XX
XX RESULT 2248
XX ABC94165
XX ID ABC94165 standard; DNA; 13 BP.
XX AC ABC94165;
XX 21-FEB-2002 (first entry)
XX
XX DE Oligonucleotide SEQ ID NO 94182 for detecting SNP TSC0023510.
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX Homo sapiens.
XX WO200177384-A2.
XX 18-OCT-2001.
XX
XX PF 06-APR-2001; 2001WO-IB000713.
XX PR 07-APR-2000; 2000DE-01019173.
XX PA (EPIG-) EPIGENOMICS AG.

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XX Olek A, Piepenbrock C, Berlin K;
XX WPI; 2001-657177/75.
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX Claim 1; SEQ ID NO 94182; 29pp + Sequence Listing; German.
XX This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABP00010-ABF99989, ABH00010-ABH99989 and AB100010-AB182073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
XX Sequence 13 BP; 1 A; 8 C; 0 G; 4 T; 0 U; 0 Other;
XX
XX Query Match 12.9%; Score 9.4; DB 1; Length 13;
XX Best Local Similarity 90.3%; Pred. No. 1.3e+03;
XX Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
XX
XX QY 932 CCCTCTCTCTTC 942
XX Db 1 CCCTCTCTCTTC 11
XX
XX RESULT 2249
XX ABC94166/c
XX ID ABC94166 standard; DNA; 13 BP.
XX AC ABC94166;
XX 21-FEB-2002 (first entry)
XX
XX DE Oligonucleotide SEQ ID NO 94183 for detecting SNP TSC0023510.
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX Homo sapiens.
XX WO200177384-A2.
XX 18-OCT-2001.
XX
XX PF 06-APR-2001; 2001WO-IB000713.
XX PR 07-APR-2000; 2000DE-01019173.
XX PA (EPIG-) EPIGENOMICS AG.
XX PI Olek A, Piepenbrock C, Berlin K;
XX WPI; 2001-657177/75.
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX Claim 1; SEQ ID NO 94183; 29pp + Sequence Listing; German.
XX This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)

```

CC and cytosine methylation status in chemically pretreated genomic DNA. The
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
 CC range of diseases including immune system, gastrointestinal, respiratory,
 CC central nervous system, cardiovascular and metabolic disorders. The
 CC oligomers are also used for detecting cell type differentiation. ABC00010
 CC -ABG99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
 CC represent the oligomers described in the invention. NOTE: The sequence
 CC data for this patent did not form part of the printed specification, but
 CC was obtained in electronic format from WIPO at
 CC ftp.wipo.int/pub/published_pct_sequences

XX Sequence 13 BP; 4 A; 0 C; 7 G; 2 T; 0 U; 0 Other;

Query Match 12.9%; Score 9.4; DB 1; Length 13;
 Best Local Similarity 90.9%; Pred. No. 1.3e+03;
 Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 932 CCTCTCTTTC 942

DB 13 CCTCTCACTTC 3

RESULT 2250

ABC94696
 ID ABC94696 standard; DNA; 13 BP.

XX AC ABC94696;

XX DT 21-FEB-2002 (first entry)

XX DE Oligonucleotide SEQ ID NO 94713 for detecting SNP TSC0023602.

XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
 XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
 XX central nervous system; gastrointestinal; respiratory; immune; metabolic.
 XX OS Homo sapiens.

XX PN WO200177384-A2.

XX PD 18-OCT-2001.

XX PF 06-APR-2001; 2001WO-IB000713.

XX PR 07-APR-2000; 2000DE-01019173.

XX PA (EPIG-) EPIGENOMICS AG.

XX PI Olek A, Piepenbrock C, Berlin K;

XX WPI; 2001-657177/75.

XX Set of oligonucleotides, useful for diagnosis and cell typing, is
 PT designed to detect single-nucleotide polymorphisms and cytosine
 PT methylation status.

XX Claim 1; SEQ ID NO 94713; 29pp + Sequence Listing; German.

XX This invention describes novel oligonucleotide primers or peptide nucleic
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
 CC and cytosine methylation status in chemically pretreated genomic DNA. The
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
 CC range of diseases including immune system, gastrointestinal, respiratory,
 CC central nervous system, cardiovascular and metabolic disorders. The
 CC oligomers are also used for detecting cell type differentiation. ABC00010
 CC -ABG99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
 CC represent the oligomers described in the invention. NOTE: The sequence
 CC data for this patent did not form part of the printed specification, but
 CC was obtained in electronic format from WIPO at
 CC ftp.wipo.int/pub/published_pct_sequences

XX Sequence 13 BP; 3 A; 1 C; 3 G; 6 T; 0 U; 0 Other;

Query Match 12.9%; Score 9.4; DB 1; Length 13;
 Best Local Similarity 90.9%; Pred. No. 1.3e+03;
 Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 946 GGTTTAATGTA 956

DB 2 GGTTTAATGTA 12

RESULT 2251

ABC21177
 ID ABC21177 standard; DNA; 13 BP.

XX AC ABC21177;

XX DT 20-FEB-2002 (first entry)

XX DE Oligonucleotide SEQ ID NO 21194 for detecting SNP TSC0004276.

XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
 XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
 XX central nervous system; gastrointestinal; respiratory; immune; metabolic.
 XX OS Homo sapiens.

XX PN WO200177384-A2.

XX PD 18-OCT-2001.

XX PF 06-APR-2001; 2001WO-IB000713.

XX PR 07-APR-2000; 2000DE-01019173.

XX PA (EPIG-) EPIGENOMICS AG.

XX PI Olek A, Piepenbrock C, Berlin K;

XX WPI; 2001-657177/75.

XX Set of oligonucleotides, useful for diagnosis and cell typing, is
 PT designed to detect single-nucleotide polymorphisms and cytosine
 PT methylation status.

XX Claim 1; SEQ ID NO 21194; 29pp + Sequence Listing; German.

XX This invention describes novel oligonucleotide primers or peptide nucleic
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
 CC and cytosine methylation status in chemically pretreated genomic DNA. The
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
 CC range of diseases including immune system, gastrointestinal, respiratory,
 CC central nervous system, cardiovascular and metabolic disorders. The
 CC oligomers are also used for detecting cell type differentiation. ABC00010
 CC -ABG99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
 CC represent the oligomers described in the invention. NOTE: The sequence
 CC data for this patent did not form part of the printed specification, but
 CC was obtained in electronic format from WIPO at
 CC ftp.wipo.int/pub/published_pct_sequences

XX Sequence 13 BP; 2 A; 7 C; 0 G; 4 T; 0 U; 0 Other;

Query Match 12.9%; Score 9.4; DB 1; Length 13;
 Best Local Similarity 90.9%; Pred. No. 1.3e+03;
 Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 930 ATCCCTCCTCT 940

DB 2 ATCCCTCCTCT 12

RESULT 2252

ABC71594
 ID ABC71594 standard; DNA; 13 BP.

XX

AC ABC71594;
 XX
 DT 21-FEB-2002 (first entry)
 XX
 DE Oligonucleotide SEQ ID NO 71611 for detecting SNP TSC0018532.
 XX
 KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
 KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
 KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
 XX
 OS Homo sapiens.
 XX
 PN WO200177384-A2.
 XX
 PD 18-OCT-2001.
 XX
 PF 06-APR-2001; 2001WO-IB000713.
 XX
 PR 07-APR-2000; 2000DE-01019173.
 XX
 PA (EPIC-) EPIGENOMICS AG.
 XX
 PI Olek A, Piepenbrock C, Berlin K;
 XX
 DR WPI; 2001-657177/75.
 XX
 XX Set of oligonucleotides, useful for diagnosis and cell typing, is
 PT designed to detect single-nucleotide polymorphisms and cytosine
 PT methylation status.
 XX
 PS Claim 1; SEQ ID NO 71611; 29pp + Sequence Listing; German.
 XX
 CC This invention describes novel oligonucleotide primers or peptide nucleic
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
 CC and cytosine methylation status in chemically pretreated genomic DNA. The
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
 CC range of diseases including immune system, gastrointestinal, respiratory,
 CC central nervous system, cardiovascular and metabolic disorders. The
 CC oligomers are also used for detecting cell type differentiation. ABC00010
 CC -ABC9989, ABF00010-ABF9989, ABH00010-ABH9989 and ABI00010-ABI82073
 CC represent the oligomers described in the invention. NOTE: The sequence
 CC data for this patent did not form part of the printed specification, but
 CC was obtained in electronic format from WIPO at
 CC ftp.wipo.int/pub/published_pct_sequences
 XX
 SQ Sequence 13 BP; 4 A; 0 C; 2 G; 6 T; 0 U; 1 Other;
 Query Match 12.9%; Score 9.4; DB 1; Length 13;
 Best Local Similarity 76.9%; Pred. No. 1.3e+03;
 Matches 10; Conservative 1; Mismatches 2; Indels 0; Gaps 0;
 QY 941 TCATTGGTTTAAAT 953
 DB 1 TTATTGGTTTAAAY 13
 RESULT 2253
 ABC71614
 ID ABC71614 standard; DNA; 13 BP.
 XX
 AC ABC71614;
 XX
 DT 21-FEB-2002 (first entry)
 XX
 DE Oligonucleotide SEQ ID NO 71631 for detecting SNP TSC0018535.
 XX
 KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
 KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
 KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
 XX
 OS Homo sapiens.
 XX
 PN WO200177384-A2.

XX 18-OCT-2001.
 PD 06-APR-2001; 2001WO-IB000713.
 XX
 PR 07-APR-2000; 2000DE-01019173.
 XX
 PA (EPIC-) EPIGENOMICS AG.
 XX
 PI Olek A, Piepenbrock C, Berlin K;
 XX
 DR WPI; 2001-657177/75.
 XX
 XX Set of oligonucleotides, useful for diagnosis and cell typing, is
 PT designed to detect single-nucleotide polymorphisms and cytosine
 PT methylation status.
 XX
 PS Claim 1; SEQ ID NO 71631; 29pp + Sequence Listing; German.
 XX
 CC This invention describes novel oligonucleotide primers or peptide nucleic
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
 CC and cytosine methylation status in chemically pretreated genomic DNA. The
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
 CC range of diseases including immune system, gastrointestinal, respiratory,
 CC central nervous system, cardiovascular and metabolic disorders. The
 CC oligomers are also used for detecting cell type differentiation. ABC00010
 CC -ABC9989, ABF00010-ABF9989, ABH00010-ABH9989 and ABI00010-ABI82073
 CC represent the oligomers described in the invention. NOTE: The sequence
 CC data for this patent did not form part of the printed specification, but
 CC was obtained in electronic format from WIPO at
 CC ftp.wipo.int/pub/published_pct_sequences
 XX
 SQ Sequence 13 BP; 2 A; 0 C; 2 G; 8 T; 0 U; 1 Other;
 Query Match 12.9%; Score 9.4; DB 1; Length 13;
 Best Local Similarity 76.9%; Pred. No. 1.3e+03;
 Matches 10; Conservative 1; Mismatches 2; Indels 0; Gaps 0;
 QY 941 TCATTGGTTTAAAT 953
 DB 1 TTATTGGTTTAAAY 13
 RESULT 2254
 ABC23944
 ID ABC23944 standard; DNA; 13 BP.
 XX
 AC ABC23944;
 XX
 DT 20-FEB-2002 (first entry)
 XX
 DE Oligonucleotide SEQ ID NO 23961 for detecting SNP TSC0005553.
 XX
 KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
 KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
 KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
 XX
 OS Homo sapiens.
 XX
 PN WO200177384-A2.
 XX
 PD 18-OCT-2001.
 XX
 PF 06-APR-2001; 2001WO-IB000713.
 XX
 PR 07-APR-2000; 2000DE-01019173.
 XX
 PA (EPIC-) EPIGENOMICS AG.
 XX
 PI Olek A, Piepenbrock C, Berlin K;
 XX
 DR WPI; 2001-657177/75.
 XX

PT Set of oligonucleotides, useful for diagnosis and cell typing, is
 PT designed to detect single-nucleotide polymorphisms and cytosine
 PT methylation status.

PS Claim 1; SEQ ID NO 23961; 29pp + Sequence Listing; German.

XX This invention describes novel oligonucleotide primers or peptide nucleic
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
 CC and cytosine methylation status in chemically pretreated genomic DNA. The
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
 CC range of diseases including immune system, gastrointestinal, respiratory,
 CC central nervous system, cardiovascular and metabolic disorders. The
 CC oligomers are also used for detecting cell type differentiation. ABC00010
 CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
 CC represent the oligomers described in the invention. NOTE: The sequence
 CC data for this patent did not form part of the printed specification, but
 CC was obtained in electronic format from WIPO at
 CC ftp.wipo.int/pub/published_pct_sequences

XX Sequence 13 BP; 1 A; 0 C; 3 G; 8 T; 0 U; 1 Other;

Query Match 12.9%; Score 9.4; DB 1; Length 13;
 Best Local Similarity 76.9%; Pred. No. 1.3e+03;
 Matches 10; Conservative 1; Mismatches 2; Indels 0; Gaps 0;

QY 907 ATTTCCTTGGTC 919

Db 1 ATTTCCTTGGTC 919

RESULT 2255

ABC49343/C
 ID ABC49343 standard; DNA; 13 BP.

AC ABC49343;

DT 21-FEB-2002 (first entry)

DE Oligonucleotide SEQ ID NO 49360 for detecting SNP TSC0013972.

XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
 KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
 KW central nervous system; gastrointestinal; respiratory; immune; metabolic.

XX Homo sapiens.

PN WO200177384-A2.

PD 18-OCT-2001.

PF 06-APR-2001; 2001WO-IB0000713.

PR 07-APR-2000; 2000DE-01019173.

PA (EPIG-) EPIGENOMICS AG.

PI Olek A, Piepenbrock C, Berlin K;

DR WPI; 2001-657177/75.

XX Set of oligonucleotides, useful for diagnosis and cell typing, is
 PT designed to detect single-nucleotide polymorphisms and cytosine
 PT methylation status.

PS Claim 1; SEQ ID NO 49360; 29pp + Sequence Listing; German.

XX This invention describes novel oligonucleotide primers or peptide nucleic
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
 CC and cytosine methylation status in chemically pretreated genomic DNA. The
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
 CC range of diseases including immune system, gastrointestinal, respiratory,
 CC central nervous system, cardiovascular and metabolic disorders. The
 CC oligomers are also used for detecting cell type differentiation. ABC00010

CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
 CC represent the oligomers described in the invention. NOTE: The sequence
 CC data for this patent did not form part of the printed specification, but
 CC was obtained in electronic format from WIPO at
 CC ftp.wipo.int/pub/published_pct_sequences

XX Sequence 13 BP; 7 A; 4 C; 0 G; 1 T; 0 U; 1 Other;

Query Match 12.9%; Score 9.4; DB 1; Length 13;
 Best Local Similarity 90.9%; Pred. No. 1.3e+03;
 Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 913 TTGGGCTTTG 923

Db 13 TTGGGCTTTG 3

RESULT 2256

ABC99598
 ID ABC99598 standard; DNA; 13 BP.

AC ABC99598;

XX 21-FEB-2002 (first entry)

DE Oligonucleotide SEQ ID NO 99615 for detecting SNP TSC0024745.

XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
 KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
 KW central nervous system; gastrointestinal; respiratory; immune; metabolic.

XX Homo sapiens.

PN WO200177384-A2.

PD 18-OCT-2001.

PF 06-APR-2001; 2001WO-IB0000713.

PR 07-APR-2000; 2000DE-01019173.

PA (EPIG-) EPIGENOMICS AG.

PI Olek A, Piepenbrock C, Berlin K;

DR WPI; 2001-657177/75.

XX Set of oligonucleotides, useful for diagnosis and cell typing, is
 PT designed to detect single-nucleotide polymorphisms and cytosine
 PT methylation status.

PS Claim 1; SEQ ID NO 99615; 29pp + Sequence Listing; German.

XX This invention describes novel oligonucleotide primers or peptide nucleic
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
 CC and cytosine methylation status in chemically pretreated genomic DNA. The
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
 CC range of diseases including immune system, gastrointestinal, respiratory,
 CC central nervous system, cardiovascular and metabolic disorders. The
 CC oligomers are also used for detecting cell type differentiation. ABC00010
 CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
 CC represent the oligomers described in the invention. NOTE: The sequence
 CC data for this patent did not form part of the printed specification, but
 CC was obtained in electronic format from WIPO at
 CC ftp.wipo.int/pub/published_pct_sequences

XX Sequence 13 BP; 3 A; 1 C; 4 G; 5 T; 0 U; 0 Other;

Query Match 12.9%; Score 9.4; DB 1; Length 13;
 Best Local Similarity 90.9%; Pred. No. 1.3e+03;
 Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 946 GGTTAATGTA 956

```

Db      ||||| |||
        2 GGTTAGTGA 12

RESULT 2257
ABF00358/c
ID ABF00358 standard; DNA; 13 BP.
XX
AC ABF00358;
XX
DT 21-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 100355 for detecting SNP TSC0024957.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
DR WPI; 2001-657177/75.
XX
PT Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
PS Claim 1; SEQ ID NO 100355; 29pp + Sequence Listing; German.
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 13 BP; 11 A; 0 C; 1 G; 1 T; 0 U; 0 Other;
XX
Query Match 12.9%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 1.3e+03;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 905 TCATTTTCTTT 915
Db 13 TTATTTTCTTT 3
XX
RESULT 2258
ABC76826
ID ABC76826 standard; DNA; 13 BP.
XX
AC ABC76826;
XX
DT 21-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 76843 for detecting SNP TSC0019632.
XX
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
XX Homo sapiens.
XX
XX WO200177384-A2.
XX
XX 18-OCT-2001.
XX
XX 06-APR-2001; 2001WO-IB000713.
XX
XX 07-APR-2000; 2000DE-01019173.
XX
XX (EPIG-) EPIGENOMICS AG.
XX
XX Olek A, Piepenbrock C, Berlin K;
XX
XX WPI; 2001-657177/75.
XX
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
XX designed to detect single-nucleotide polymorphisms and cytosine
XX methylation status.
XX
XX Claim 1; SEQ ID NO 100355; 29pp + Sequence Listing; German.
XX
XX This invention describes novel oligonucleotide primers or peptide nucleic
XX acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
XX and cytosine methylation status in chemically pretreated genomic DNA. The
XX oligonucleotides are used for diagnosis and/or prognosis of cancer and a
XX range of diseases including immune system, gastrointestinal, respiratory,
XX central nervous system, cardiovascular and metabolic disorders. The
XX oligomers are also used for detecting cell type differentiation. ABC00010
XX -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
XX represent the oligomers described in the invention. NOTE: The sequence
XX data for this patent did not form part of the printed specification, but
XX was obtained in electronic format from WIPO at
XX ftp.wipo.int/pub/published_pct_sequences
XX
XX Sequence 13 BP; 11 A; 0 C; 1 G; 1 T; 0 U; 0 Other;
XX
Query Match 12.9%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 1.3e+03;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 905 TCATTTTCTTT 915
Db 13 TTATTTTCTTT 3
XX
RESULT 2259
ABF02166
ID ABF02166 standard; DNA; 13 BP.
XX
AC ABF02166;
XX
DT 21-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 102163 for detecting SNP TSC0025451.
XX
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
XX Homo sapiens.
XX
XX WO200177384-A2.
XX
XX 18-OCT-2001.
XX
XX 06-APR-2001; 2001WO-IB000713.
XX
```

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PR 07-APR-2000; 2000DE-01019173.
XX (EPIC-) EPIGENOMICS AG.
XX Olek A, Piepenbrock C, Berlin K;
XX WPI; 2001-657177/75.
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX Claim 1; SEQ ID NO 102163; 29pp + Sequence Listing; German.
XX This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC9989, ABF00010-ABF9989, ABH00010-ABH9989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX SQ Sequence 13 BP; 3 A; 0 C; 5 G; 4 T; 0 U; 1 Other;
Query Match 12.9%; Score 9.4; DB 1; Length 13;
Best Local Similarity 76.9%; Pred. No. 1.3e+03;
Matches 10; Conservative 1; Mismatches 2; Indels 0; Gaps 0;
QY 945 TCGTTTAATGGTAT 957
DB 1 TCGTTTAATGGAY 13
RESULT 2260
ID ABC78032 standard; DNA; 13 BP.
XX AC ABC78032;
XX 21-FEB-2002 (first entry)
XX Oligonucleotide SEQ ID NO 78049 for detecting SNP TSC0019867.
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX Homo sapiens.
XX WO200177384-A2.
XX 18-OCT-2001.
XX 06-APR-2001; 2001WO-IB000713.
XX 07-APR-2000; 2000DE-01019173.
XX (EPIC-) EPIGENOMICS AG.
XX Olek A, Piepenbrock C, Berlin K;
XX WPI; 2001-657177/75.
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX Claim 1; SEQ ID NO 78049; 29pp + Sequence Listing; German.
XX This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC9989, ABF00010-ABF9989, ABH00010-ABH9989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX SQ Sequence 13 BP; 1 A; 0 C; 2 G; 10 T; 0 U; 0 Other;
Query Match 12.9%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 1.3e+03;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
QY 908 TTTTCTTTGGT 918
DB 2 TTTTATTGGT 12
RESULT 2261
ABC04590
ID ABC04590 standard; DNA; 13 BP.
XX AC ABC04590;
XX 20-FEB-2002 (first entry)
XX Oligonucleotide SEQ ID NO 4581 for detecting SNP TSC0001664.
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX Homo sapiens.
XX WO200177384-A2.
XX 18-OCT-2001.
XX 06-APR-2001; 2001WO-IB000713.
XX 07-APR-2000; 2000DE-01019173.
XX (EPIC-) EPIGENOMICS AG.
XX Olek A, Piepenbrock C, Berlin K;
XX WPI; 2001-657177/75.
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX Claim 1; SEQ ID NO 4581; 29pp + Sequence Listing; German.
XX This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC9989, ABF00010-ABF9989, ABH00010-ABH9989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences

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XX SQ Sequence 13 BP; 2 A; 0 C; 3 G; 8 T; 0 U; 0 Other;
Query Match 12.9%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 1.3e+03;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 941 TCATTGGTTTA 951
Db 1 TTATTGGTTTA 11

RESULT 2262
ABF07529/C
ID ABF07529 standard; DNA; 13 BP.
XX AC ABF07529;
XX DT 21-FEB-2002 (first entry)
XX DE Oligonucleotide SEQ ID NO 107526 for detecting SNP TSC0026922.
XX KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX OS Homo sapiens.
XX PN WO200177384-A2.
XX PD 18-OCT-2001.
XX PF 06-APR-2001; 2001WO-IB000713.
XX PR 07-APR-2000; 2000DE-01019173.
XX PA (EPIG-) EPIGENOMICS AG.
XX PI Olek A, Piepenbrock C, Berlin K;
XX WPI; 2001-657177/75.
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
XX designed to detect single-nucleotide polymorphisms and cytosine
XX methylation status.
XX Claim 1; SEQ ID NO 107526; 29pp + Sequence Listing; German.
XX This invention describes novel oligonucleotide primers or peptide nucleic
XX acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
XX and cytosine methylation status in chemically pretreated genomic DNA. The
XX oligonucleotides are used for diagnosis and/or prognosis of cancer and a
XX range of diseases including immune system, gastrointestinal, respiratory,
XX central nervous system, cardiovascular and metabolic disorders. The
XX oligomers are also used for detecting cell type differentiation. ABC00010
XX -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
XX represent the oligomers described in the invention. NOTE: The sequence
XX data for this patent did not form part of the printed specification, but
XX was obtained in electronic format from WIPO at
XX ftp.wipo.int/pub/published_pct_sequences
XX SQ Sequence 13 BP; 8 A; 4 C; 1 G; 0 T; 0 U; 0 Other;
Query Match 12.9%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 1.3e+03;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 940 TTCATTGGTTT 950
Db 13 TTCATTGGTTT 3

RESULT 2263
ABF07529/C
ID ABF07529 standard; DNA; 13 BP.
XX AC ABF07529;
XX DT 21-FEB-2002 (first entry)
XX DE Oligonucleotide SEQ ID NO 112304 for detecting SNP TSC0028066.
XX KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX OS Homo sapiens.
XX PN WO200177384-A2.
XX PD 18-OCT-2001.
XX PF 06-APR-2001; 2001WO-IB000713.
XX PR 07-APR-2000; 2000DE-01019173.
XX PA (EPIG-) EPIGENOMICS AG.
XX PI Olek A, Piepenbrock C, Berlin K;
XX WPI; 2001-657177/75.
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
XX designed to detect single-nucleotide polymorphisms and cytosine
XX methylation status.
XX Claim 1; SEQ ID NO 112304; 29pp + Sequence Listing; German.
XX This invention describes novel oligonucleotide primers or peptide nucleic
XX acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
XX and cytosine methylation status in chemically pretreated genomic DNA. The
XX oligonucleotides are used for diagnosis and/or prognosis of cancer and a
XX range of diseases including immune system, gastrointestinal, respiratory,
XX central nervous system, cardiovascular and metabolic disorders. The
XX oligomers are also used for detecting cell type differentiation. ABC00010
XX -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
XX represent the oligomers described in the invention. NOTE: The sequence
XX data for this patent did not form part of the printed specification, but
XX was obtained in electronic format from WIPO at
XX ftp.wipo.int/pub/published_pct_sequences
XX SQ Sequence 13 BP; 1 A; 4 C; 0 G; 8 T; 0 U; 0 Other;
Query Match 12.9%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 1.3e+03;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 905 TCATTTCCTTT 915
Db 1 TCATTTCCTTT 11

RESULT 2264
ABF12307/C
ID ABF12307 standard; DNA; 13 BP.
XX AC ABF12307;
XX DT 21-FEB-2002 (first entry)
XX DE Oligonucleotide SEQ ID NO 112304 for detecting SNP TSC0028066.
XX KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX OS Homo sapiens.
XX PN WO200177384-A2.
XX PD 18-OCT-2001.
XX PF 06-APR-2001; 2001WO-IB000713.
XX PR 07-APR-2000; 2000DE-01019173.
XX PA (EPIG-) EPIGENOMICS AG.
XX PI Olek A, Piepenbrock C, Berlin K;
XX WPI; 2001-657177/75.
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
XX designed to detect single-nucleotide polymorphisms and cytosine
XX methylation status.
XX Claim 1; SEQ ID NO 11202; 29pp + Sequence Listing; German.
XX This invention describes novel oligonucleotide primers or peptide nucleic
XX acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
XX and cytosine methylation status in chemically pretreated genomic DNA. The
XX oligonucleotides are used for diagnosis and/or prognosis of cancer and a
XX range of diseases including immune system, gastrointestinal, respiratory,
XX central nervous system, cardiovascular and metabolic disorders. The
XX oligomers are also used for detecting cell type differentiation. ABC00010
XX -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
XX represent the oligomers described in the invention. NOTE: The sequence
XX data for this patent did not form part of the printed specification, but
XX was obtained in electronic format from WIPO at
XX ftp.wipo.int/pub/published_pct_sequences
XX SQ Sequence 13 BP; 1 A; 4 C; 0 G; 8 T; 0 U; 0 Other;
Query Match 12.9%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 1.3e+03;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 905 TCATTTCCTTT 915
Db 1 TCATTTCCTTT 11

RESULT 2264
ABF12307/C
ID ABF12307 standard; DNA; 13 BP.
XX AC ABF12307;
XX DT 21-FEB-2002 (first entry)
XX DE Oligonucleotide SEQ ID NO 112304 for detecting SNP TSC0028066.
XX KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX OS Homo sapiens.
XX PN WO200177384-A2.
XX PD 18-OCT-2001.
XX PF 06-APR-2001; 2001WO-IB000713.
XX PR 07-APR-2000; 2000DE-01019173.
XX PA (EPIG-) EPIGENOMICS AG.
XX PI Olek A, Piepenbrock C, Berlin K;
XX WPI; 2001-657177/75.
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
XX designed to detect single-nucleotide polymorphisms and cytosine
XX methylation status.
XX Claim 1; SEQ ID NO 11202; 29pp + Sequence Listing; German.
XX This invention describes novel oligonucleotide primers or peptide nucleic
XX acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
XX and cytosine methylation status in chemically pretreated genomic DNA. The
XX oligonucleotides are used for diagnosis and/or prognosis of cancer and a
XX range of diseases including immune system, gastrointestinal, respiratory,
XX central nervous system, cardiovascular and metabolic disorders. The
XX oligomers are also used for detecting cell type differentiation. ABC00010
XX -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
XX represent the oligomers described in the invention. NOTE: The sequence
XX data for this patent did not form part of the printed specification, but
XX was obtained in electronic format from WIPO at
XX ftp.wipo.int/pub/published_pct_sequences
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CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 13 BP; 5 A; 3 C; 1 G; 4 T; 0 U; 0 Other;
Query Match 12.9%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 1.3e+03;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
QY 950 TAACTATCGC 960
DB 2 TAAATATCGC 12
RESULT 2267
ABF22314
ID ABF22314 standard; DNA; 13 BP.
XX
AC ABF22314;
XX
DT 21-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 122311 for detecting SNP TSC0030569.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
DR WPI; 2001-657177/75.
XX
PT Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
PS Claim 1; SEQ ID NO 122311; 29pp + Sequence Listing; German.
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 13 BP; 4 A; 0 C; 1 G; 8 T; 0 U; 0 Other;
Query Match 12.9%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 1.3e+03;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
QY 947 GTTAAATGAT 957
DB 2 GTTAAATGAT 12
RESULT 2268
ABF22315/C
ID ABF22315 standard; DNA; 13 BP.
XX
AC ABF22315;
XX
DT 21-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 122312 for detecting SNP TSC0030569.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
DR WPI; 2001-657177/75.
XX
PT Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
PS Claim 1; SEQ ID NO 122312; 29pp + Sequence Listing; German.
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 13 BP; 8 A; 1 C; 0 G; 4 T; 0 U; 0 Other;
Query Match 12.9%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 1.3e+03;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
QY 947 GTTAAATGAT 957
DB 12 GTTAAATGAT 2
RESULT 2269
ABF31639/C
ID ABF31639 standard; DNA; 13 BP.
XX
AC ABF31639;
XX

```

DT 21-FEB-2002 (first entry)
DE Oligonucleotide SEQ ID NO 131636 for detecting SNP TSC0032855.
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX Homo sapiens.
XX WO200177384-A2.
XX 18-OCT-2001.
XX 06-APR-2001; 2001WO-IB000713.
XX 07-APR-2000; 2000DE-01019173.
XX (EPIC-) EPIGENOMICS AG.
XX Olek A, Piepenbrock C, Berlin K;
XX WPI; 2001-657177/75.
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX Claim 1; SEQ ID NO 131636; 29pp + Sequence Listing; German.
XX This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC9989, ABF00010-ABF9989, ABH00010-ABH9989 and ABT00010-ABT82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the invention. NOTE: The sequence
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
XX Claim 1; SEQ ID NO 131636; 29pp + Sequence Listing; German.
XX This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC9989, ABF00010-ABF9989, ABH00010-ABH9989 and ABT00010-ABT82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the invention. NOTE: The sequence
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
XX Sequence 13 BP; 9 A; 3 C; 0 G; 1 T; 0 U; 0 Other;
Query Match 12.9%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 1.3e+03;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
QY 908 TTTTCTTTGGT 918
DB 13 TTTTCTTTGGT 3
RESULT 2270
ID ABF36399 standard; DNA; 13 BP.
XX ABF36399;
XX ABF36399;
XX 21-FEB-2002 (first entry)
DE Oligonucleotide SEQ ID NO 136396 for detecting SNP TSC0034069.
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX Homo sapiens.
XX WO200177384-A2.
XX 18-OCT-2001.
PT Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine

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XX 06-APR-2001; 2001WO-IB000713.
XX 07-APR-2000; 2000DE-01019173.
XX (EPIC-) EPIGENOMICS AG.
XX Olek A, Piepenbrock C, Berlin K;
XX WPI; 2001-657177/75.
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX Claim 1; SEQ ID NO 136396; 29pp + Sequence Listing; German.
XX This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC9989, ABF00010-ABF9989, ABH00010-ABH9989 and ABT00010-ABT82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the invention. NOTE: The sequence
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
XX Sequence 13 BP; 3 A; 5 C; 0 G; 4 T; 0 U; 1 Other;
Query Match 12.9%; Score 9.4; DB 1; Length 13;
Best Local Similarity 76.9%; Pred. No. 1.3e+03;
Matches 10; Conservative 1; Mismatches 2; Indels 0; Gaps 0;
QY 951 AATGTATCGCTAC 963
DB 1 RAICTATCCCTAC 13
RESULT 2271
ABF39205/c
ID ABF39205 standard; DNA; 13 BP.
XX ABF39205;
XX ABF39205;
XX 21-FEB-2002 (first entry)
DE Oligonucleotide SEQ ID NO 139202 for detecting SNP TSC0034868.
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX Homo sapiens.
XX WO200177384-A2.
XX 18-OCT-2001.
XX 06-APR-2001; 2001WO-IB000713.
XX 07-APR-2000; 2000DE-01019173.
XX (EPIC-) EPIGENOMICS AG.
XX Olek A, Piepenbrock C, Berlin K;
XX WPI; 2001-657177/75.
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine

```

PT methylation status.
XX Claim 1; SEQ ID NO 139202; 29pp + Sequence Listing; German.
PS
CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 13 BP; 5 A; 3 C; 0 G; 5 T; 0 U; 0 Other;

Query Match 12.9%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 1.3e+03;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 946 GOTTAAATGTA 956
DB 13 GATTAAATGTA 3

RESULT 2272
ABH18708/c
ID ABH18708 standard; DNA; 13 BP.
XX
AC ABH18708;
XX
XX
DT 22-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 218685 for detecting SNP TSC0053188.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
XX WPI; 2001-657177/75.
XX
PT Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
PS Claim 1; SEQ ID NO 218685; 29pp + Sequence Listing; German.
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 13 BP; 5 A; 3 C; 0 G; 5 T; 0 U; 0 Other;

Query Match 12.9%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 1.3e+03;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 946 GOTTAAATGTA 956
DB 13 GATTAAATGTA 3

RESULT 2273
ABH19412
ID ABH19412 standard; DNA; 13 BP.
XX
AC ABH19412;
XX
XX
DT 22-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 219389 for detecting SNP TSC0053346.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
XX WPI; 2001-657177/75.
XX
PT Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
PS Claim 1; SEQ ID NO 219389; 29pp + Sequence Listing; German.
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 13 BP; 4 A; 1 C; 2 G; 5 T; 0 U; 1 Other;

Query Match 12.9%; Score 9.4; DB 1; Length 13;
Best Local Similarity 76.9%; Pred. No. 1.3e+03;
Matches 10; Conservative 1; Mismatches 2; Indels 0; Gaps 0;

QY 948 TTTAATGTCATCGC 960
DB 1 TTTAATGTCATAGY 13

```

RESULT 2274
ABF95992/c
ID ABF95992 standard; DNA; 13 BP.
XX
XX
AC ABF95992;
XX
DT 22-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 195989 for detecting SNP TSC0048213.
XX
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
PI MPI; 2001-657177/75.
XX
PT Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
PS Claim 1; SEQ ID NO 195989; 29pp + Sequence Listing; German.
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
XX Sequence 13 BP; 4 A; 1 C; 7 G; 1 T; 0 U; 0 Other;
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
XX Sequence 13 BP; 4 A; 1 C; 7 G; 1 T; 0 U; 0 Other;
XX
Query Match 12.9%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 1.3e+03;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
XX
QY 932 CCTCTCTCTTC 942
DB 12 CCTCATCTTC 2
XX
RESULT 2275
ABF73484
ID ABF73484 standard; DNA; 13 BP.
XX
XX AC ABF73484;
XX
XX AC ABF73484;
XX
DT 22-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 173481 for detecting SNP TSC0043214.
XX
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;

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KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
PI MPI; 2001-657177/75.
XX
PT Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
PS Claim 1; SEQ ID NO 173481; 29pp + Sequence Listing; German.
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
XX Sequence 13 BP; 1 A; 0 C; 2 G; 9 T; 0 U; 1 Other;
XX
Query Match 12.9%; Score 9.4; DB 1; Length 13;
Best Local Similarity 76.9%; Pred. No. 1.3e+03;
Matches 10; Conservative 1; Mismatches 2; Indels 0; Gaps 0;
XX
QY 909 TTCTTTGGTCTT 921
DB 1 TTATTGGTTT 13
XX
RESULT 2276
ABF98718/c
ID ABF98718 standard; DNA; 13 BP.
XX
XX AC ABF98718;
XX
XX AC ABF98718;
XX
DT 22-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 198715 for detecting SNP TSC0048898.
XX
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX

```

PA (EPIG-) EPIGENOMICS AG.
 PI Olek A, Piepenbrock C, Berlin K;
 XX WPI; 2001-657177/75.
 XX Set of oligonucleotides, useful for diagnosis and cell typing, is
 PT designed to detect single-nucleotide polymorphisms and cytosine
 PT methylation status.
 XX Claim 1; SEQ ID NO 199715; 29pp + Sequence Listing; German.
 PS This invention describes novel oligonucleotide primers or peptide nucleic
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
 CC and cytosine methylation status in chemically pretreated genomic DNA. The
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
 CC range of diseases including immune system, gastrointestinal, respiratory,
 CC central nervous system, cardiovascular and metabolic disorders. The
 CC oligomers are also used for detecting cell type differentiation. ABC00010
 CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and AB100010-AB182073
 CC represent the oligomers described in the invention. NOTE: The sequence
 CC data for this patent did not form part of the printed specification, but
 CC was obtained in electronic format from WIPO at
 CC ftp.wipo.int/pub/published_pct_sequences
 XX
 SQ Sequence 13 BP; 6 A; 0 C; 5 G; 2 T; 0 U; 0 Other;
 Query Match 12.9%; Score 9.4; DB 1; Length 13;
 Best Local Similarity 90.9%; Pred. No. 1.3e+03;
 Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
 QY 925 CTTTATCCCT 935
 DB 13 CTTTATCCCT 3
 RESULT 2277
 ABF99598
 ID ABF99598 standard; DNA; 13 BP.
 AC ABF99598;
 XX
 DT 22-FEB-2002 (first entry)
 DE Oligonucleotide SEQ ID NO 199595 for detecting SNP TSC0049103.
 XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
 KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
 KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
 XX
 OS Homo sapiens.
 XX
 PN WO200177384-A2.
 PD 18-OCT-2001.
 XX
 PF 06-APR-2001; 2001WO-IB000713.
 XX
 PR 07-APR-2000; 2000DE-01019173.
 XX
 PA (EPIG-) EPIGENOMICS AG.
 XX Olek A, Piepenbrock C, Berlin K;
 XX WPI; 2001-657177/75.
 XX Set of oligonucleotides, useful for diagnosis and cell typing, is
 PT designed to detect single-nucleotide polymorphisms and cytosine
 PT methylation status.
 XX Claim 1; SEQ ID NO 199595; 29pp + Sequence Listing; German.
 PS This invention describes novel oligonucleotide primers or peptide nucleic
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
 CC and cytosine methylation status in chemically pretreated genomic DNA. The
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
 CC range of diseases including immune system, gastrointestinal, respiratory,
 CC central nervous system, cardiovascular and metabolic disorders. The
 CC oligomers are also used for detecting cell type differentiation. ABC00010
 CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and AB100010-AB182073
 CC represent the oligomers described in the invention. NOTE: The sequence
 CC data for this patent did not form part of the printed specification, but
 CC was obtained in electronic format from WIPO at
 CC ftp.wipo.int/pub/published_pct_sequences
 XX
 SQ Sequence 13 BP; 6 A; 0 C; 5 G; 2 T; 0 U; 0 Other;
 Query Match 12.9%; Score 9.4; DB 1; Length 13;
 Best Local Similarity 90.9%; Pred. No. 1.3e+03;
 Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
 QY 925 CTTTATCCCT 935
 DB 13 CTTTATCCCT 3
 RESULT 2277
 ABF99598
 ID ABF99598 standard; DNA; 13 BP.
 AC ABF99598;
 XX
 DT 22-FEB-2002 (first entry)
 DE Oligonucleotide SEQ ID NO 199595 for detecting SNP TSC0049103.
 XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
 KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
 KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
 XX
 OS Homo sapiens.
 XX
 PN WO200177384-A2.
 PD 18-OCT-2001.
 XX
 PF 06-APR-2001; 2001WO-IB000713.
 XX
 PR 07-APR-2000; 2000DE-01019173.
 XX
 PA (EPIG-) EPIGENOMICS AG.
 XX Olek A, Piepenbrock C, Berlin K;
 XX WPI; 2001-657177/75.
 XX Set of oligonucleotides, useful for diagnosis and cell typing, is
 PT designed to detect single-nucleotide polymorphisms and cytosine
 PT methylation status.
 XX Claim 1; SEQ ID NO 199595; 29pp + Sequence Listing; German.
 PS This invention describes novel oligonucleotide primers or peptide nucleic
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
 CC and cytosine methylation status in chemically pretreated genomic DNA. The
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
 CC range of diseases including immune system, gastrointestinal, respiratory,
 CC central nervous system, cardiovascular and metabolic disorders. The
 CC oligomers are also used for detecting cell type differentiation. ABC00010
 CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and AB100010-AB182073
 CC represent the oligomers described in the invention. NOTE: The sequence
 CC data for this patent did not form part of the printed specification, but
 CC was obtained in electronic format from WIPO at
 CC ftp.wipo.int/pub/published_pct_sequences
 XX
 SQ Sequence 13 BP; 6 A; 0 C; 5 G; 2 T; 0 U; 0 Other;

CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
 CC and cytosine methylation status in chemically pretreated genomic DNA. The
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
 CC range of diseases including immune system, gastrointestinal, respiratory,
 CC central nervous system, cardiovascular and metabolic disorders. The
 CC oligomers are also used for detecting cell type differentiation. ABC00010
 CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and AB100010-AB182073
 CC represent the oligomers described in the invention. NOTE: The sequence
 CC data for this patent did not form part of the printed specification, but
 CC was obtained in electronic format from WIPO at
 CC ftp.wipo.int/pub/published_pct_sequences
 XX
 SQ Sequence 13 BP; 1 A; 1 C; 4 G; 7 T; 0 U; 0 Other;
 Query Match 12.9%; Score 9.4; DB 1; Length 13;
 Best Local Similarity 90.9%; Pred. No. 1.3e+03;
 Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
 QY 908 TTTTCCTTGGT 918
 DB 3 TTTTCCTTGGT 13
 RESULT 2278
 ABF76919
 ID ABF76919 standard; DNA; 13 BP.
 AC ABF76919;
 XX
 DT 22-FEB-2002 (first entry)
 DE Oligonucleotide SEQ ID NO 176916 for detecting SNP TSC0043896.
 XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
 KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
 KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
 XX
 OS Homo sapiens.
 XX
 PN WO200177384-A2.
 PD 18-OCT-2001.
 XX
 PF 06-APR-2001; 2001WO-IB000713.
 XX
 PR 07-APR-2000; 2000DE-01019173.
 XX
 PA (EPIG-) EPIGENOMICS AG.
 XX Olek A, Piepenbrock C, Berlin K;
 XX WPI; 2001-657177/75.
 XX Set of oligonucleotides, useful for diagnosis and cell typing, is
 PT designed to detect single-nucleotide polymorphisms and cytosine
 PT methylation status.
 XX Claim 1; SEQ ID NO 176916; 29pp + Sequence Listing; German.
 PS This invention describes novel oligonucleotide primers or peptide nucleic
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
 CC and cytosine methylation status in chemically pretreated genomic DNA. The
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
 CC range of diseases including immune system, gastrointestinal, respiratory,
 CC central nervous system, cardiovascular and metabolic disorders. The
 CC oligomers are also used for detecting cell type differentiation. ABC00010
 CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and AB100010-AB182073
 CC represent the oligomers described in the invention. NOTE: The sequence
 CC data for this patent did not form part of the printed specification, but
 CC was obtained in electronic format from WIPO at
 CC ftp.wipo.int/pub/published_pct_sequences
 XX
 SQ Sequence 13 BP; 3 A; 4 C; 0 G; 6 T; 0 U; 0 Other;

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Query Match      12.9%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 1.3e+03;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 934 CTCCTCTTCAT 944
Db 1 CTCATCTTCAT 11

RESULT 2279
ABF77163/C
ID ABF77163 standard; DNA; 13 BP.
AC ABF77163;
XX
XX 22-FEB-2002 (first entry)
XX
XX Oligonucleotide SEQ ID NO 177160 for detecting SNP TSC0009928.
XX
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
XX Homo sapiens.
XX
XX WO200177384-A2.
XX
XX 18-OCT-2001.
XX
XX 06-APR-2001; 2001WO-IB000713.
XX
XX 07-APR-2000; 2000DE-01019173.
XX
XX (EPIC-) EPIGENOMICS AG.
XX
XX Olek A, Piepenbrock C, Berlin K;
XX
XX WPI; 2001-657177/75.
XX
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
XX designed to detect single-nucleotide polymorphisms and cytosine
XX methylation status.
XX
XX Claim 1; SEQ ID NO 177160; 29pp + Sequence Listing; German.
XX
XX This invention describes novel oligonucleotide primers or peptide nucleic
XX acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
XX and cytosine methylation status in chemically pretreated genomic DNA. The
XX oligonucleotides are used for diagnosis and/or prognosis of cancer and a
XX range of diseases including immune system, gastrointestinal, respiratory,
XX central nervous system, cardiovascular and metabolic disorders. The
XX oligomers are also used for detecting cell type differentiation. ABC00010
XX -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABT00010-ABT82073
XX represent the oligomers described in the invention. NOTE: The sequence
XX data for this patent did not form part of the printed specification, but
XX was obtained in electronic format from WIPO at
XX ftp.wipo.int/pub/published_pct_sequences
XX
XX Sequence 13 BP; 6 A; 2 C; 0 G; 4 T; 0 U; 1 Other;
XX
XX This invention describes novel oligonucleotide primers or peptide nucleic
XX acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
XX and cytosine methylation status in chemically pretreated genomic DNA. The
XX oligonucleotides are used for diagnosis and/or prognosis of cancer and a
XX range of diseases including immune system, gastrointestinal, respiratory,
XX central nervous system, cardiovascular and metabolic disorders. The
XX oligomers are also used for detecting cell type differentiation. ABC00010
XX -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABT00010-ABT82073
XX represent the oligomers described in the invention. NOTE: The sequence
XX data for this patent did not form part of the printed specification, but
XX was obtained in electronic format from WIPO at
XX ftp.wipo.int/pub/published_pct_sequences
XX
XX Query Match      12.9%; Score 9.4; DB 1; Length 13;
XX Best Local Similarity 76.9%; Pred. No. 1.3e+03;
XX Matches 10; Conservative 2; Mismatches 2; Indels 0; Gaps 0;

QY 948 TTATATGATCGC 960
Db 13 TTATATATATGGY 1

RESULT 2280
ABF77491/C
ID ABF77491 standard; DNA; 13 BP.
XX
XX Query Match      12.9%; Score 9.4; DB 1; Length 13;
XX Best Local Similarity 90.9%; Pred. No. 1.3e+03;
XX Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 908 TTTTCTTTGCT 918
Db 11 TTTTATTGCT 1

RESULT 2281
ABH03292
ID ABH03292 standard; DNA; 13 BP.
XX
XX ABH03292;
XX
XX 22-FEB-2002 (first entry)
XX
XX Oligonucleotide SEQ ID NO 203269 for detecting SNP TSC0049909.
XX
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
XX Homo sapiens.
XX

```

PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB0000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
PI WPI; 2001-657177/75.
XX
PT Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
PS Claim 1; SEQ ID NO 203269; 29pp + Sequence Listing; German.
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABH00010-ABH20073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 13 BP; 2 A; 1 C; 2 G; 7 T; 0 U; 1 Other;
Query Match 12.9%; Score 9.4; DB 1; Length 13;
Best Local Similarity 76.9%; Pred. No. 1.3e+03;
Matches 10; Conservative 1; Mismatches 2; Indels 0; Gaps 0;
OY 945 TCGTTTAAATGAT 957
DB 1 TCGTTTAAATGAT 13
RESULT 2282
ABH03293/c
ID ABH03293 standard; DNA; 13 BP.
XX
AC ABH03293;
XX
DT 22-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 203270 for detecting SNP TSC0049909.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB0000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
PI WPI; 2001-657177/75.
XX

XX
PT Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
PS Claim 1; SEQ ID NO 203270; 29pp + Sequence Listing; German.
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABH00010-ABH20073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 13 BP; 7 A; 2 C; 1 G; 2 T; 0 U; 1 Other;
Query Match 12.9%; Score 9.4; DB 1; Length 13;
Best Local Similarity 76.9%; Pred. No. 1.3e+03;
Matches 10; Conservative 1; Mismatches 2; Indels 0; Gaps 0;
OY 945 TCGTTTAAATGAT 957
DB 13 TCGTTTAAATGAT 1
RESULT 2283
ABF54514/c
ID ABF54514 standard; DNA; 13 BP.
XX
AC ABF54514;
XX
DT 21-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 154511 for detecting SNP TSC0039046.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB0000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
PI WPI; 2001-657177/75.
XX
PT Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
PS Claim 1; SEQ ID NO 154511; 29pp + Sequence Listing; German.
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABH00010-ABH20073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX

CC oligomers are also used for detecting cell type differentiation. ABC00010
 CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
 CC represent the oligomers described in the invention. NOTE: The sequence
 CC data for this patent did not form part of the printed specification, but
 CC was obtained in electronic format from WIPO at
 CC ftp.wipo.int/pub/published_pct_sequences
 XX
 SQ Sequence 13 BP; 4 A; 1 C; 4 G; 4 T; 0 U; 0 Other;

Query Match 12.9%; Score 9.4; DB 1; Length 13;
 Best Local Similarity 90.9%; Pred. No. 1.3e+03;
 Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 955 TATCGCTACCA 965

Db 11 TATCGCTACTA 1

RESULT 2284

ID ABF84446
 ID ABF84446 standard; DNA; 13 BP.

XX AC ABF84446;

XX DT 22-FEB-2002 (first entry)

XX DE Oligonucleotide SEQ ID NO 184443 for detecting SNP TSC0045517.

XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
 KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
 KW central nervous system; gastrointestinal; respiratory; immune; metabolic.

XX OS Homo sapiens.

XX PN WO200177384-A2.

XX PD 18-OCT-2001.

XX PF 06-APR-2001; 2001WO-IB000713.

XX PR 07-APR-2000; 2000DE-01019173.

XX PA (EPIC-) EPIGENOMICS AG.

XX PI Olek A, Piepenbrock C, Berlin K;

XX PI WPI; 2001-657177/75.

XX Set of oligonucleotides, useful for diagnosis and cell typing, is
 PT designed to detect single-nucleotide polymorphisms and cytosine
 PT methylation status.

XX Claim 1; SEQ ID NO 184443; 29pp + Sequence Listing; German.

XX This invention describes novel oligonucleotide primers or peptide nucleic
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
 CC and cytosine methylation status in chemically pretreated genomic DNA. The
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
 CC range of diseases including immune system, gastrointestinal, respiratory,
 CC central nervous system, cardiovascular and metabolic disorders. The
 CC oligomers are also used for detecting cell type differentiation. ABC00010
 CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
 CC represent the oligomers described in the invention. NOTE: The sequence
 CC data for this patent did not form part of the printed specification, but
 CC was obtained in electronic format from WIPO at
 CC ftp.wipo.int/pub/published_pct_sequences

XX SQ Sequence 13 BP; 1 A; 0 C; 3 G; 8 T; 0 U; 1 Other;

Query Match 12.9%; Score 9.4; DB 1; Length 13;
 Best Local Similarity 90.9%; Pred. No. 1.3e+03;
 Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 940 TTCAATTGGTTT 950
 Db 2 TTATATTGGTTT 12

RESULT 2285

ID ABH35002/c
 ID ABH35002 standard; DNA; 13 BP.

XX AC ABH35002;

XX DT 22-FEB-2002 (first entry)

XX DE Oligonucleotide SEQ ID NO 234979 for detecting SNP TSC0057373.

XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
 KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
 KW central nervous system; gastrointestinal; respiratory; immune; metabolic.

XX OS Homo sapiens.

XX PN WO200177384-A2.

XX PD 18-OCT-2001.

XX PF 06-APR-2001; 2001WO-IB000713.

XX PR 07-APR-2000; 2000DE-01019173.

XX PA (EPIC-) EPIGENOMICS AG.

XX PI Olek A, Piepenbrock C, Berlin K;

XX PI WPI; 2001-657177/75.

XX Set of oligonucleotides, useful for diagnosis and cell typing, is
 PT designed to detect single-nucleotide polymorphisms and cytosine
 PT methylation status.

XX Claim 1; SEQ ID NO 234979; 29pp + Sequence Listing; German.

XX This invention describes novel oligonucleotide primers or peptide nucleic
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
 CC and cytosine methylation status in chemically pretreated genomic DNA. The
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
 CC range of diseases including immune system, gastrointestinal, respiratory,
 CC central nervous system, cardiovascular and metabolic disorders. The
 CC oligomers are also used for detecting cell type differentiation. ABC00010
 CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
 CC represent the oligomers described in the invention. NOTE: The sequence
 CC data for this patent did not form part of the printed specification, but
 CC was obtained in electronic format from WIPO at
 CC ftp.wipo.int/pub/published_pct_sequences

XX SQ Sequence 13 BP; 4 A; 0 C; 6 G; 2 T; 0 U; 1 Other;

Query Match 12.9%; Score 9.4; DB 1; Length 13;
 Best Local Similarity 76.9%; Pred. No. 1.3e+03;
 Matches 10; Conservative 1; Mismatches 2; Indels 0; Gaps 0;

QY 923 GCCTTTTATCCCT 935

Db 13 RCCTTATACCCCT 1

RESULT 2286

ID ABF85689/c
 ID ABF85689 standard; DNA; 13 BP.

XX AC ABF85689;

XX DT 22-FEB-2002 (first entry)

DE Oligonucleotide SEQ ID NO 185686 for detecting SNP TSC0045759.
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX Homo sapiens.
XX WO200177384-A2.
XX PD 18-OCT-2001.
XX PF 06-APR-2001; 2001WO-IB000713.
XX PR 07-APR-2000; 2000DE-01019173.
XX PA (EPIG-) EPIGENOMICS AG.
XX PI Olek A, Piepenbrock C, Berlin K;
XX WPI; 2001-657177/75.
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX Claim 1; SEQ ID NO 185686; 29pp + Sequence Listing; German.
XX This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
XX Sequence 13 BP; 6 A; 4 C; 0 G; 2 T; 0 U; 1 Other;
Query Match 12.9%; Score 9.4; DB 1; Length 13;
Best Local Similarity 76.9%; Pred. No. 1.3e+03;
Matches 10; Conservative 1; Mismatches 2; Indels 0; Gaps 0;
QY 945 TGGTTTAATGTAT 957
DB 13 TGGTTTAATGGAY 1
RESULT 2287
ABH10810
ID ABH10810 standard; DNA; 13 BP.
XX AC ABH10810;
XX DT 22-FEB-2002 (first entry)
DE Oligonucleotide SEQ ID NO 210787 for detecting SNP TSC0010484.
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX Homo sapiens.
XX WO200177384-A2.
XX PD 18-OCT-2001.
XX PF 06-APR-2001; 2001WO-IB000713.

XX 07-APR-2000; 2000DE-01019173.
XX (EPIG-) EPIGENOMICS AG.
XX Olek A, Piepenbrock C, Berlin K;
XX WPI; 2001-657177/75.
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX Claim 1; SEQ ID NO 210787; 29pp + Sequence Listing; German.
XX This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
XX Sequence 13 BP; 3 A; 0 C; 3 G; 7 T; 0 U; 0 Other;
Query Match 12.9%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 1.3e+03;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
QY 947 GTTTAATGTAT 957
DB 2 GTTTAATGTCT 12
RESULT 2288
ABH36074
ID ABH36074 standard; DNA; 13 BP.
XX AC ABH36074;
XX DT 22-FEB-2002 (first entry)
DE Oligonucleotide SEQ ID NO 236051 for detecting SNP TSC0057616.
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX Homo sapiens.
XX WO200177384-A2.
XX PD 18-OCT-2001.
XX PF 06-APR-2001; 2001WO-IB000713.
XX PR 07-APR-2000; 2000DE-01019173.
XX PA (EPIG-) EPIGENOMICS AG.
XX PI Olek A, Piepenbrock C, Berlin K;
XX WPI; 2001-657177/75.
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX

PS Claim 1; SEQ ID NO 236051; 29pp + Sequence Listing; German.

XX This invention describes novel oligonucleotide primers or peptide nucleic acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP) and cytosine methylation status in chemically pretreated genomic DNA. The oligonucleotides are used for diagnosis and/or prognosis of cancer and a range of diseases including immune system, gastrointestinal, respiratory, central nervous system, cardiovascular and metabolic disorders. The oligomers are also used for detecting cell type differentiation. ABC00010 -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073 represent the oligomers described in the invention. NOTE: The sequence data for this patent did not form part of the printed specification, but was obtained in electronic format from WIPO at ftp.wipo.int/pub/published_pct_sequences

XX Sequence 13 BP; 1 A; 0 C; 3 G; 9 T; 0 U; 0 Other;

Query Match 12.9%; Score 9.4; DB 1; Length 13; Best Local Similarity 90.9%; Pred. No. 1.3e+03; Mismatches 1; Indels 0; Gaps 0;

XX 940 TTCATTGGTTT 950

Db 2 TTATTGGTTT 12

RESULT 2289

ABH11306

ID ABH11306 standard; DNA; 13 BP.

XX AC ABH11306;

XX 22-FEB-2002 (first entry)

DE Oligonucleotide SEQ ID NO 211283 for detecting SNP TSC0051542.

XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS; peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss; central nervous system; gastrointestinal; respiratory; immune; metabolic.

XX Homo sapiens.

XX WO200177384-A2.

XX 18-OCT-2001.

XX 06-APR-2001; 2001WO-IB000713.

XX 07-APR-2000; 2000DE-01019173.

XX (EPITG-) EPIGENOMICS AG.

XX Olek A, Piepenbrock C, Berlin K;

XX WPI; 2001-657177/75.

XX Set of oligonucleotides, useful for diagnosis and cell typing, is designed to detect single-nucleotide polymorphisms and cytosine methylation status.

XX Claim 1; SEQ ID NO 211283; 29pp + Sequence Listing; German.

XX This invention describes novel oligonucleotide primers or peptide nucleic acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP) and cytosine methylation status in chemically pretreated genomic DNA. The oligonucleotides are used for diagnosis and/or prognosis of cancer and a range of diseases including immune system, gastrointestinal, respiratory, central nervous system, cardiovascular and metabolic disorders. The oligomers are also used for detecting cell type differentiation. ABC00010 -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073 represent the oligomers described in the invention. NOTE: The sequence data for this patent did not form part of the printed specification, but was obtained in electronic format from WIPO at

CC ftp.wipo.int/pub/published_pct_sequences

XX Sequence 13 BP; 1 A; 1 C; 5 G; 6 T; 0 U; 0 Other;

Query Match 12.9%; Score 9.4; DB 1; Length 13; Best Local Similarity 90.9%; Pred. No. 1.3e+03; Mismatches 1; Indels 0; Gaps 0;

QY 913 TTGGTCCTTG 923

Db 1 TTGGTCCTTG 11

RESULT 2290

ABF62510

ID ABF62510 standard; DNA; 13 BP.

XX AC ABF62510;

XX 22-FEB-2002 (first entry)

DE Oligonucleotide SEQ ID NO 162507 for detecting SNP TSC0040879.

XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS; peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss; central nervous system; gastrointestinal; respiratory; immune; metabolic.

XX Homo sapiens.

XX WO200177384-A2.

XX 18-OCT-2001.

XX 06-APR-2001; 2001WO-IB000713.

XX 07-APR-2000; 2000DE-01019173.

XX (EPIG-) EPIGENOMICS AG.

XX Olek A, Piepenbrock C, Berlin K;

XX WPI; 2001-657177/75.

XX Set of oligonucleotides, useful for diagnosis and cell typing, is designed to detect single-nucleotide polymorphisms and cytosine methylation status.

XX Claim 1; SEQ ID NO 162507; 29pp + Sequence Listing; German.

XX This invention describes novel oligonucleotide primers or peptide nucleic acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP) and cytosine methylation status in chemically pretreated genomic DNA. The oligonucleotides are used for diagnosis and/or prognosis of cancer and a range of diseases including immune system, gastrointestinal, respiratory, central nervous system, cardiovascular and metabolic disorders. The oligomers are also used for detecting cell type differentiation. ABC00010 -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073 represent the oligomers described in the invention. NOTE: The sequence data for this patent did not form part of the printed specification, but was obtained in electronic format from WIPO at ftp.wipo.int/pub/published_pct_sequences

XX Sequence 13 BP; 5 A; 0 C; 3 G; 5 T; 0 U; 0 Other;

Query Match 12.9%; Score 9.4; DB 1; Length 13; Best Local Similarity 90.9%; Pred. No. 1.3e+03; Mismatches 1; Indels 0; Gaps 0;

QY 943 ATTGGTTTAAAT 953

Db 2 ATTGGTTTAAAT 12

RESULT 2291
ID ABH13467/c
XX ABH13467 standard; DNA; 13 BP.
AC ABH13467;
DT 22-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 213444 for detecting SNP TSC0008090.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
DR WPI; 2001-657177/75.
XX
PT Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
PS Claim 1; SEQ ID NO 213444; 29pp + Sequence Listing; German.
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 13 BP; 6 A; 2 C; 0 G; 5 T; 0 U; 0 Other;
XX
Query Match 12.9%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 1.3e+03;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
QY 949 TTAATGATCG 959
DB 12 TTAATGATAG 2
XX
RESULT 2292
ID ABF91691/c
XX ABF91691 standard; DNA; 13 BP.
XX
AC ABF91691;
XX
DT 22-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 191688 for detecting SNP TSC0000813.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX

XX Homo sapiens.
XX WO200177384-A2.
XX 18-OCT-2001.
XX 06-APR-2001; 2001WO-IB000713.
XX 07-APR-2000; 2000DE-01019173.
XX (EPIG-) EPIGENOMICS AG.
XX Olek A, Piepenbrock C, Berlin K;
XX WPI; 2001-657177/75.
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
XX designed to detect single-nucleotide polymorphisms and cytosine
XX methylation status.
XX Claim 1; SEQ ID NO 191688; 29pp + Sequence Listing; German.
XX This invention describes novel oligonucleotide primers or peptide nucleic
XX acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
XX and cytosine methylation status in chemically pretreated genomic DNA. The
XX oligonucleotides are used for diagnosis and/or prognosis of cancer and a
XX range of diseases including immune system, gastrointestinal, respiratory,
XX central nervous system, cardiovascular and metabolic disorders. The
XX oligomers are also used for detecting cell type differentiation. ABC00010
XX -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
XX represent the oligomers described in the invention. NOTE: The sequence
XX data for this patent did not form part of the printed specification, but
XX was obtained in electronic format from WIPO at
XX ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 13 BP; 6 A; 3 C; 0 G; 4 T; 0 U; 0 Other;
XX
Query Match 12.9%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 1.3e+03;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
QY 947 GTTTATGATAT 957
DB 13 GTTTATGATAT 3
XX
RESULT 2293
ID ABH44396/c
XX ABH44396 standard; DNA; 13 BP.
XX
AC ABH44396;
XX
DT 22-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 244373 for detecting SNP TSC0059649.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIG-) EPIGENOMICS AG.
XX

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PI Olek A, Piepenbrock C, Berlin K;
DR WPI; 2001-657177/75.
XX
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
XX Claim 1; SEQ ID NO 244373; 29pp + Sequence Listing; German.
XX
XX This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
XX Sequence 13 BP; 8 A; 0 C; 2 G; 3 T; 0 U; 0 Other;
XX
XX Query Match 12.9%; Score 9.4; DB 1; Length 13;
XX Best Local Similarity 90.9%; Pred. No. 1.3e+03;
XX Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
XX
QY 920 TTTCGCTTTTA 930
DB 11 TTACCTTTTA 1
XX
RESULT 2294
ABH46225/C
ID ABH46225 standard; DNA; 13 BP.
XX
XX ABH46225;
XX
XX 22-FEB-2002 (first entry)
XX
XX Oligonucleotide SEQ ID NO 246202 for detecting SNP TSC0060161.
XX
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
XX Homo sapiens.
XX
XX WO200177384-A2.
XX
XX 18-OCT-2001.
XX
XX 06-APR-2001; 2001WO-IB000713.
XX
XX 07-APR-2000; 2000DE-01019173.
XX
XX (EPIG-) EPIGENOMICS AG.
XX
XX Olek A, Piepenbrock C, Berlin K;
XX
XX WPI; 2001-657177/75.
XX
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
XX Claim 1; SEQ ID NO 246202; 29pp + Sequence Listing; German.
XX
XX This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
XX Sequence 13 BP; 9 A; 2 C; 0 G; 1 T; 0 U; 1 Other;
XX
XX Query Match 12.9%; Score 9.4; DB 1; Length 13;
XX Best Local Similarity 76.9%; Pred. No. 1.3e+03;
XX Matches 10; Conservative 1; Mismatches 2; Indels 0; Gaps 0;
XX
QY 910 TTCTTTGCTTTT 922
DB 13 TTTTGTGATTY 1
XX
RESULT 2295
ABH48200
ID ABH48200 standard; DNA; 13 BP.
XX
XX ABH48200;
XX
XX 22-FEB-2002 (first entry)
XX
XX Oligonucleotide SEQ ID NO 248177 for detecting SNP TSC0060647.
XX
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
XX Homo sapiens.
XX
XX WO200177384-A2.
XX
XX 18-OCT-2001.
XX
XX 06-APR-2001; 2001WO-IB000713.
XX
XX 07-APR-2000; 2000DE-01019173.
XX
XX (EPIG-) EPIGENOMICS AG.
XX
XX Olek A, Piepenbrock C, Berlin K;
XX
XX WPI; 2001-657177/75.
XX
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
XX Claim 1; SEQ ID NO 248177; 29pp + Sequence Listing; German.
XX
XX This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
XX Sequence 13 BP; 4 A; 0 C; 3 G; 6 T; 0 U; 0 Other;
XX
XX Query Match 12.9%; Score 9.4; DB 1; Length 13;

```

Best Local Similarity 90.9%; Pred. No. 1.3e+03;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 947 GTTTAATGAT 957
|||||
2 GTTTAATGAAT 12

Db

RESULT 2296
ABH63900
ID ABH63900 standard; DNA; 13 BP.
XX
AC ABH63900;
XX
DT 22-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 263877 for detecting SNP TSC0063961.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
DR WPI; 2001-657177/75.
XX
PT Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
PS Claim 1; SEQ ID NO 263877; 29pp + Sequence Listing; German.
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC9989, ABF0010-ABF9989, ABH0010-ABH9989 and ABH0010-ABH82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 13 BP; 2 A; 0 C; 2 G; 8 T; 0 U; 1 Other;

Query Match 12.9%; Score 9.4; DB 1; Length 13;
Best Local Similarity 76.9%; Pred. No. 1.3e+03;
Matches 10; Conservative 1; Mismatches 2; Indels 0; Gaps 0;

QY 907 ATTTCCTTTGGTC 919
|||||
1 AATTTTITGGTY 13

Db

RESULT 2297
ABH64192/c
ID ABH64192 standard; DNA; 13 BP.
XX
AC ABH64192;

XX
DT 22-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 264169 for detecting SNP TSC0064011.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
DR WPI; 2001-657177/75.
XX
PT Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
PS Claim 1; SEQ ID NO 264169; 29pp + Sequence Listing; German.
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC9989, ABF0010-ABF9989, ABH0010-ABH9989 and ABH0010-ABH82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 13 BP; 2 A; 0 C; 7 G; 4 T; 0 U; 0 Other;

Query Match 12.9%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 1.3e+03;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 957 TCGTACCAAC 967
|||||
12 TCGTACCAAC 2

Db

RESULT 2298
ABC68000
ID ABC68000 standard; DNA; 13 BP.
XX
AC ABC68000;
XX
DT 21-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 68017 for detecting SNP TSC0017754.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX

PD 18-OCT-2001.
 XX
 PF 06-APR-2001; 2001WO-IB000713.
 XX
 PR 07-APR-2000; 2000DE-01019173.
 XX
 PA (EPIG-) EPIGENOMICS AG.
 XX
 PI Olek A, Piepenbrock C, Berlin K;
 XX
 DR WPI; 2001-657177/75.
 XX
 PT Set of oligonucleotides, useful for diagnosis and cell typing, is
 PT designed to detect single-nucleotide polymorphisms and cytosine
 PT methylation status.
 XX
 PS Claim 1; SEQ ID NO 68017; 29pp + Sequence Listing; German.
 XX
 CC This invention describes novel oligonucleotide primers or peptide nucleic
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
 CC and cytosine methylation status in chemically pretreated genomic DNA. The
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
 CC range of diseases including immune system, gastrointestinal, respiratory,
 CC central nervous system, cardiovascular and metabolic disorders. The
 CC oligomers are also used for detecting cell type differentiation. ABC00010
 CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
 CC represent the oligomers described in the invention. NOTE: The sequence
 CC data for this patent did not form part of the printed specification, but
 CC was obtained in electronic format from WIPO at
 CC ftp.wipo.int/pub/published_pct_sequences
 XX
 SQ Sequence 13 BP; 3 A; 0 C; 3 G; 6 T; 0 U; 1 Other;
 XX
 Query Match 12.9%; Score 9.4; DB 1; Length 13;
 Best Local Similarity 76.9%; Pred. No. 1.3e+03;
 Matches 10; Conservative 1; Mismatches 2; Indels 0; Gaps 0;
 XX
 QY 946 GGTGTAATGATC 958
 DB 1 GGTGTAATGATC 13
 XX
 RESULT 2299
 ABC95528
 ID ABC95528 standard; DNA; 13 BP.
 XX
 AC ABC95528;
 XX
 DT 21-FEB-2002 (first entry)
 XX
 DE Oligonucleotide SEQ ID NO 95545 for detecting SNP TSC0023777.
 XX
 KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
 KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
 KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
 XX
 OS Homo sapiens.
 XX
 PN WO200177384-A2.
 XX
 PD 18-OCT-2001.
 XX
 PF 06-APR-2001; 2001WO-IB000713.
 XX
 PR 07-APR-2000; 2000DE-01019173.
 XX
 PA (EPIG-) EPIGENOMICS AG.
 XX
 PI Olek A, Piepenbrock C, Berlin K;
 XX
 DR WPI; 2001-657177/75.
 XX
 PT Set of oligonucleotides, useful for diagnosis and cell typing, is

PT designed to detect single-nucleotide polymorphisms and cytosine
 PT methylation status.
 XX
 PS Claim 1; SEQ ID NO 95545; 29pp + Sequence Listing; German.
 XX
 CC This invention describes novel oligonucleotide primers or peptide nucleic
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
 CC and cytosine methylation status in chemically pretreated genomic DNA. The
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
 CC range of diseases including immune system, gastrointestinal, respiratory,
 CC central nervous system, cardiovascular and metabolic disorders. The
 CC oligomers are also used for detecting cell type differentiation. ABC00010
 CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
 CC represent the oligomers described in the invention. NOTE: The sequence
 CC data for this patent did not form part of the printed specification, but
 CC was obtained in electronic format from WIPO at
 CC ftp.wipo.int/pub/published_pct_sequences
 XX
 SQ Sequence 13 BP; 1 A; 0 C; 1 G; 10 T; 0 U; 1 Other;
 XX
 Query Match 12.9%; Score 9.4; DB 1; Length 13;
 Best Local Similarity 76.9%; Pred. No. 1.3e+03;
 Matches 10; Conservative 1; Mismatches 2; Indels 0; Gaps 0;
 XX
 QY 920 TTTCCTTTTATC 932
 DB 1 TTTCCTTTTATC 13
 XX
 RESULT 2300
 ABC45646/C
 ID ABC45646 standard; DNA; 13 BP.
 XX
 AC ABC45646;
 XX
 DT 21-FEB-2002 (first entry)
 XX
 DE Oligonucleotide SEQ ID NO 45663 for detecting SNP TSC0013276.
 XX
 KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
 KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
 KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
 XX
 OS Homo sapiens.
 XX
 PN WO200177384-A2.
 XX
 PD 18-OCT-2001.
 XX
 PF 06-APR-2001; 2001WO-IB000713.
 XX
 PR 07-APR-2000; 2000DE-01019173.
 XX
 PA (EPIG-) EPIGENOMICS AG.
 XX
 PI Olek A, Piepenbrock C, Berlin K;
 XX
 DR WPI; 2001-657177/75.
 XX
 PT Set of oligonucleotides, useful for diagnosis and cell typing, is
 PT designed to detect single-nucleotide polymorphisms and cytosine
 PT methylation status.
 XX
 PS Claim 1; SEQ ID NO 45663; 29pp + Sequence Listing; German.
 XX
 CC This invention describes novel oligonucleotide primers or peptide nucleic
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
 CC and cytosine methylation status in chemically pretreated genomic DNA. The
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
 CC range of diseases including immune system, gastrointestinal, respiratory,
 CC central nervous system, cardiovascular and metabolic disorders. The
 CC oligomers are also used for detecting cell type differentiation. ABC00010
 CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
 CC represent the oligomers described in the invention. NOTE: The sequence
 CC data for this patent did not form part of the printed specification, but
 CC was obtained in electronic format from WIPO at
 CC ftp.wipo.int/pub/published_pct_sequences
 XX
 SQ Sequence 13 BP; 1 A; 0 C; 1 G; 10 T; 0 U; 1 Other;

CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences

XX SQ Sequence 13 BP; 3 A; 0 C; 6 G; 4 T; 0 U; 0 Other;
Query Match 12.9%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 1.3e+03;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 957 TCGCTACCAAC 967
13 TCACCTACCAAC 3

RESULT 2301
ABC70878
ID ABC70878 standard; DNA; 13 BP.

XX AC ABC70878;

XX DT 21-FEB-2002 (first entry)

XX DE Oligonucleotide SEQ ID NO 70895 for detecting SNP TSC0018403.

XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX OS Homo sapiens.

XX PN WO200177384-A2.

XX PD 18-OCT-2001.

XX PF 06-APR-2001; 2001WO-IB000713.

XX PR 07-APR-2000; 2000DE-01019173.

XX PA (EPIG-) EPIGENOMICS AG.

XX PI Olek A, Piepenbrock C, Berlin K;

XX DR WPI; 2001-657177/75.

XX PT Set of oligonucleotides, useful for diagnosis and cell typing, is
XX designed to detect single-nucleotide polymorphisms and cytosine
XX methylation status.

XX PS Claim 1; SEQ ID NO 70895; 29pp + Sequence Listing; German.

XX CC This invention describes novel oligonucleotide primers or peptide nucleic
XX acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
XX and cytosine methylation status in chemically pretreated genomic DNA. The
XX oligonucleotides are used for diagnosis and/or prognosis of cancer and a
XX range of diseases including immune system, gastrointestinal, respiratory,
XX central nervous system, cardiovascular and metabolic disorders. The
XX oligomers are also used for detecting cell type differentiation. ABC00010
XX -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
XX represent the oligomers described in the invention. NOTE: The sequence
XX data for this patent did not form part of the printed specification, but
XX was obtained in electronic format from WIPO at
XX ftp.wipo.int/pub/published_pct_sequences

XX SQ Sequence 13 BP; 0 A; 1 C; 4 G; 7 T; 0 U; 1 Other;

Query Match 12.9%; Score 9.4; DB 1; Length 13;
Best Local Similarity 76.9%; Pred. No. 1.3e+03;
Matches 10; Conservative 1; Mismatches 2; Indels 0; Gaps 0;

QY 910 TTCCTTGGCTCTT 922
|||||

Db 1 TTCGTTGGTGT 13

RESULT 2302

ABC71543/C
ID ABC71543 standard; DNA; 13 BP.

XX AC ABC71543;

XX DT 21-FEB-2002 (first entry)

XX DE Oligonucleotide SEQ ID NO 71560 for detecting SNP TSC0018522.

XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX OS Homo sapiens.

XX PN WO200177384-A2.

XX PD 18-OCT-2001.

XX PF 06-APR-2001; 2001WO-IB000713.

XX PR 07-APR-2000; 2000DE-01019173.

XX PA (EPIG-) EPIGENOMICS AG.

XX PI Olek A, Piepenbrock C, Berlin K;

XX DR WPI; 2001-657177/75.

XX PT Set of oligonucleotides, useful for diagnosis and cell typing, is
XX designed to detect single-nucleotide polymorphisms and cytosine
XX methylation status.

XX PS Claim 1; SEQ ID NO 71560; 29pp + Sequence Listing; German.

XX CC This invention describes novel oligonucleotide primers or peptide nucleic
XX acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
XX and cytosine methylation status in chemically pretreated genomic DNA. The
XX oligonucleotides are used for diagnosis and/or prognosis of cancer and a
XX range of diseases including immune system, gastrointestinal, respiratory,
XX central nervous system, cardiovascular and metabolic disorders. The
XX oligomers are also used for detecting cell type differentiation. ABC00010
XX -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
XX represent the oligomers described in the invention. NOTE: The sequence
XX data for this patent did not form part of the printed specification, but
XX was obtained in electronic format from WIPO at
XX ftp.wipo.int/pub/published_pct_sequences

XX SQ Sequence 13 BP; 9 A; 2 C; 0 G; 1 T; 0 U; 1 Other;

Query Match 12.9%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 1.3e+03;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 908 TTTTCTTTGGT 918
|||||

Db 13 TTTTCTTTGGT 3

RESULT 2303

ABC50398
ID ABC50398 standard; DNA; 13 BP.

XX AC ABC50398;

XX DT 21-FEB-2002 (first entry)

XX DE Oligonucleotide SEQ ID NO 50415 for detecting SNP TSC0014174.

CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABG9989, ABF00010-ABF9989, ABH00010-ABH9989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences

XX SQ Sequence 13 BP; 4 A; 0 C; 3 G; 6 T; 0 U; 0 Other;
Query Match 12.9%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 1.3e+03;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 949 TTAATGATCG 959
DB 2 TTAATGATGG 12
|||||

RESULT 2306
ABF02160
ID ABF02160 standard; DNA; 13 BP.
XX AC ABF02160;
XX DT 21-FEB-2002 (first entry)
XX DE Oligonucleotide SEQ ID NO 102157 for detecting SNP TSC0025451.
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX OS Homo sapiens.
XX PN WO200177384-A2.
XX PD 18-OCT-2001.
XX PF 06-APR-2001; 2001WO-IB000713.
XX PR 07-APR-2000; 2000DE-01019173.
XX PA (EPIG-) EPIGENOMICS AG.
XX PI Olek A, Piepenbrock C, Berlin K;
XX WPI; 2001-657177/75.
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
XX designed to detect single-nucleotide polymorphisms and cytosine
XX methylation status.
XX Claim 1; SEQ ID NO 102157; 29pp + Sequence Listing; German.

CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABG9989, ABF00010-ABF9989, ABH00010-ABH9989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences

XX SQ Sequence 13 BP; 4 A; 0 C; 3 G; 6 T; 0 U; 0 Other;
Query Match 12.9%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 1.3e+03;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 949 TTAATGATCG 959
DB 2 TTAATGATGG 12
|||||

RESULT 2306
ABF02160
ID ABF02160 standard; DNA; 13 BP.
XX AC ABF02160;
XX DT 21-FEB-2002 (first entry)
XX DE Oligonucleotide SEQ ID NO 102157 for detecting SNP TSC0025451.
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX OS Homo sapiens.
XX PN WO200177384-A2.
XX PD 18-OCT-2001.
XX PF 06-APR-2001; 2001WO-IB000713.
XX PR 07-APR-2000; 2000DE-01019173.
XX PA (EPIG-) EPIGENOMICS AG.
XX PI Olek A, Piepenbrock C, Berlin K;
XX WPI; 2001-657177/75.
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
XX designed to detect single-nucleotide polymorphisms and cytosine
XX methylation status.
XX Claim 1; SEQ ID NO 102157; 29pp + Sequence Listing; German.

XX SQ Sequence 13 BP; 3 A; 0 C; 2 G; 8 T; 0 U; 0 Other;
Query Match 12.9%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 1.3e+03;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 947 GTTAAATGTAT 957
DB 1 GTTAAATGTAT 11
|||||

RESULT 2307
ABC03281
ID ABC03281 standard; DNA; 13 BP.
XX AC ABC03281;
XX DT 20-FEB-2002 (first entry)
XX DE Oligonucleotide SEQ ID NO 3272 for detecting SNP TSC0001238.
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX OS Homo sapiens.
XX PN WO200177384-A2.
XX PD 18-OCT-2001.
XX PF 06-APR-2001; 2001WO-IB000713.
XX PR 07-APR-2000; 2000DE-01019173.
XX PA (EPIG-) EPIGENOMICS AG.
XX PI Olek A, Piepenbrock C, Berlin K;
XX WPI; 2001-657177/75.
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
XX designed to detect single-nucleotide polymorphisms and cytosine
XX methylation status.
XX Claim 1; SEQ ID NO 3272; 29pp + Sequence Listing; German.

CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABG9989, ABF00010-ABF9989, ABH00010-ABH9989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
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CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences

XX SQ Sequence 13 BP; 2 A; 6 C; 0 G; 4 T; 0 U; 1 Other;
Query Match 12.9%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 1.3e+03;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 930 ATCCCTCCCTCT 940
DB 3 ATCCATCCCTCT 13
|||||

RESULT 2308
ABC03282/c

ID ABC03282 standard; DNA; 13 BP.
XX AC ABC03282;
XX XX
DT 20-FEB-2002 (first entry)
XX DE Oligonucleotide SEQ ID NO 3273 for detecting SNP TSC0001238.
XX XX
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX OS Homo sapiens.
XX PN WO200177384-A2.
XX PD 18-OCT-2001.
XX PF 06-APR-2001; 2001WO-IB000713.
XX PR 07-APR-2000; 2000DE-01019173.
XX PA (EPIG-) EPIGENOMICS AG.
XX PI Olek A, Piepenbrock C, Berlin K;
XX XX
XX WPI; 2001-657177/75.
XX XX
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX PS Claim 1; SEQ ID NO 3273; 29pp + Sequence Listing; German.
XX CC This invention describes novel oligonucleotide primers or peptide nucleic
XX acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
XX and cytosine methylation status in chemically pretreated genomic DNA. The
XX oligonucleotides are used for diagnosis and/or prognosis of cancer and a
XX range of diseases including immune system, gastrointestinal, respiratory,
XX central nervous system, cardiovascular and metabolic disorders. The
XX oligomers are also used for detecting cell type differentiation. ABC00010
XX -ABC9989, ABF00010-ABF9989, ABH00010-ABH9989 and AB100010-AB182073
XX represent the oligomers described in the invention. NOTE: The sequence
XX data for this patent did not form part of the printed specification, but
XX was obtained in electronic format from WIPO at
XX ftp.wipo.int/pub/published_pct_sequences
XX XX
XX Sequence 13 BP; 4 A; 1 C; 6 G; 1 T; 0 U; 1 Other;
XX This invention describes novel oligonucleotide primers or peptide nucleic
XX acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
XX and cytosine methylation status in chemically pretreated genomic DNA. The
XX oligonucleotides are used for diagnosis and/or prognosis of cancer and a
XX range of diseases including immune system, gastrointestinal, respiratory,
XX central nervous system, cardiovascular and metabolic disorders. The
XX oligomers are also used for detecting cell type differentiation. ABC00010
XX -ABC9989, ABF00010-ABF9989, ABH00010-ABH9989 and AB100010-AB182073
XX represent the oligomers described in the invention. NOTE: The sequence
XX data for this patent did not form part of the printed specification, but
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XX XX
XX Query Match 12.9%; Score 9.4; DB 1; Length 13;
XX Best Local Similarity 90.9%; Pred. No. 1.3e+03;
XX Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
XX
XX QY 930 ATCCCTCTCTCT 940
XX DB 11 ATCCCTCTCTCT 1
XX
XX RESULT 2309
XX ABC54362
XX ID ABC54362 standard; DNA; 13 BP.
XX AC ABC54362;
XX XX
XX 21-FEB-2002 (first entry)
XX DE Oligonucleotide SEQ ID NO 54379 for detecting SNP TSC0014918.
XX XX
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX OS Homo sapiens.

XX PN WO200177384-A2.
XX XX
XX PD 18-OCT-2001.
XX PF 06-APR-2001; 2001WO-IB000713.
XX PR 07-APR-2000; 2000DE-01019173.
XX PA (EPIG-) EPIGENOMICS AG.
XX PI Olek A, Piepenbrock C, Berlin K;
XX XX
XX WPI; 2001-657177/75.
XX XX
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX PS Claim 1; SEQ ID NO 54379; 29pp + Sequence Listing; German.
XX CC This invention describes novel oligonucleotide primers or peptide nucleic
XX acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
XX and cytosine methylation status in chemically pretreated genomic DNA. The
XX oligonucleotides are used for diagnosis and/or prognosis of cancer and a
XX range of diseases including immune system, gastrointestinal, respiratory,
XX central nervous system, cardiovascular and metabolic disorders. The
XX oligomers are also used for detecting cell type differentiation. ABC00010
XX -ABC9989, ABF00010-ABF9989, ABH00010-ABH9989 and AB100010-AB182073
XX represent the oligomers described in the invention. NOTE: The sequence
XX data for this patent did not form part of the printed specification, but
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XX ftp.wipo.int/pub/published_pct_sequences
XX XX
XX Sequence 13 BP; 0 A; 0 C; 4 G; 8 T; 0 U; 1 Other;
XX Query Match 12.9%; Score 9.4; DB 1; Length 13;
XX Best Local Similarity 90.9%; Pred. No. 1.3e+03;
XX Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
XX
XX QY 913 TTGGTCTTTG 923
XX DB 1 TTGGTCTTTG 11
XX
XX RESULT 2310
XX ABF04553/c
XX ID ABF04553 standard; DNA; 13 BP.
XX AC ABF04553;
XX XX
XX 21-FEB-2002 (first entry)
XX DE Oligonucleotide SEQ ID NO 104550 for detecting SNP TSC0026138.
XX XX
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX OS Homo sapiens.
XX PN WO200177384-A2.
XX PD 18-OCT-2001.
XX PF 06-APR-2001; 2001WO-IB000713.
XX PR 07-APR-2000; 2000DE-01019173.
XX PA (EPIG-) EPIGENOMICS AG.
XX PI Olek A, Piepenbrock C, Berlin K;
XX XX

DR WPI; 2001-657177/75.
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
XX Claim 1; SEQ ID NO 104550; 29pp + Sequence Listing; German.
PS
CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 13 BP; 8 A; 3 C; 1 G; 0 T; 0 U; 1 Other;
Query Match 12.9%; Score 9.4; DB 1; Length 13;
Best Local Similarity 76.9%; Pred. No. 1.3e+03;
Matches 10; Conservative 1; Mismatches 2; Indels 0; Gaps 0;
OY 917 GTCTTGCGCTTT 929
DB 13 GTTTTGCGTIV 1
RESULT 2311
ABC55216
ID ABC55216 standard; DNA; 13 BP.
AC ABC55216;
XX
XX 21-FEB-2002 (first entry)
DT
XX Oligonucleotide SEQ ID NO 55233 for detecting SNP TSC0015098.
DE
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
XX Homo sapiens.
OS
XX WO200177384-A2.
PN
XX 18-OCT-2001.
PD
XX
XX 06-APR-2001; 2001WO-IB000713.
PF
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XX 07-APR-2000; 2000DE-01019173.
PR
XX (EPIG-) EPIGENOMICS AG.
PA
XX Olek A, Piepenbrock C, Berlin K;
XX WPI; 2001-657177/75.
XX
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
XX Claim 1; SEQ ID NO 55233; 29pp + Sequence Listing; German.
PS
CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,

CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
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XX
SQ Sequence 13 BP; 4 A; 0 C; 3 G; 6 T; 0 U; 0 Other;
Query Match 12.9%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 1.3e+03;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
OY 946 GGTTTAATGTA 956
DB 1 GGTTTAATGTA 11
RESULT 2312
ABC32309/c
ID ABC32309 standard; DNA; 13 BP.
AC ABC32309;
XX
XX 20-FEB-2002 (first entry)
DT
XX Oligonucleotide SEQ ID NO 32326 for detecting SNP TSC0010079.
DE
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
XX Homo sapiens.
OS
XX WO200177384-A2.
PN
XX 18-OCT-2001.
PD
XX
XX 06-APR-2001; 2001WO-IB000713.
PF
XX
XX 07-APR-2000; 2000DE-01019173.
PR
XX (EPIG-) EPIGENOMICS AG.
PA
XX Olek A, Piepenbrock C, Berlin K;
XX WPI; 2001-657177/75.
XX
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
XX Claim 1; SEQ ID NO 32326; 29pp + Sequence Listing; German.
PS
CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 13 BP; 9 A; 3 C; 0 G; 1 T; 0 U; 0 Other;
Query Match 12.9%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 1.3e+03;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

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QY 908 TTTTCTTTGGT 918
DB 13 TTTTATTGGT 3

RESULT 2313
ABF08288
ID ABF08288 standard; DNA; 13 BP.
XX
AC ABF08288;
XX
DT 21-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 108285 for detecting SNP TSC0027111.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
PI WPI; 2001-657177/75.
XX
PT Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
PS Claim 1; SEQ ID NO 108285; 29pp + Sequence Listing; German.
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC9989, ABF00010-ABF9989, ABH00010-ABH9989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 13 BP; 0 A; 1 C; 4 G; 8 T; 0 U; 0 Other;
XX
Query Match 12.9%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 1.3e+03;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 908 TTTTCTTTGGT 918
DB 2 TTTTCTTTGGT 12

RESULT 2314
ABC85621/c
ID ABC85621 standard; DNA; 13 BP.
XX
AC ABC85621;
XX
DT 21-FEB-2002 (first entry)
XX

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XX
DE Oligonucleotide SEQ ID NO 85638 for detecting SNP TSC0021525.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
PI WPI; 2001-657177/75.
XX
PT Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
PS Claim 1; SEQ ID NO 85638; 29pp + Sequence Listing; German.
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC9989, ABF00010-ABF9989, ABH00010-ABH9989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 13 BP; 6 A; 2 C; 0 G; 4 T; 0 U; 1 Other;
XX
Query Match 12.9%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 1.3e+03;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 943 ATTGTTTAAAT 953
DB 12 ATTAGTTTAAAT 2

RESULT 2315
ABF11073/c
ID ABF11073 standard; DNA; 13 BP.
XX
AC ABF11073;
XX
DT 21-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 111070 for detecting SNP TSC0027729.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX

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PF 06-APR-2001; 2001WO-IB000713.
PR
XX
PR 07-APR-2000; 2000DE-01019173.
XX
XX (EPIG-) EPIGENOMICS AG.
XX
XX Olek A, Piepenbrock C, Berlin K;
XX
XX WPI; 2001-657177/75.
XX
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
XX Claim 1; SEQ ID NO 111070; 29pp + Sequence Listing; German.
PS
XX This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
XX Sequence 13 BP; 4 A; 4 C; 0 G; 5 T; 0 U; 0 Other;
SQ
XX Query Match 12.9%; Score 9.4; DB 1; Length 13;
XX Best Local Similarity 90.9%; Pred. No. 1.3e+03;
XX Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
QY 946 GGTTTAATGTA 956
DB 13 GGTTTAAGTA 3
|||||||
RESULT 2316
ABC86657/c
ID ABC86657 standard; DNA; 13 BP.
XX
XX ABC86657;
XX
XX 21-FEB-2002 (first entry)
XX
XX Oligonucleotide SEQ ID NO 86674 for detecting SNP TSC0021775.
XX
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
XX Homo sapiens.
XX
XX WO200177384-A2.
XX
XX 18-OCT-2001.
XX
XX 06-APR-2001; 2001WO-IB000713.
XX
XX 07-APR-2000; 2000DE-01019173.
XX
XX (EPIG-) EPIGENOMICS AG.
XX
XX Olek A, Piepenbrock C, Berlin K;
XX
XX WPI; 2001-657177/75.
XX
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
XX Claim 1; SEQ ID NO 86674; 29pp + Sequence Listing; German.
PS
XX This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
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CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
XX Sequence 13 BP; 4 A; 4 C; 0 G; 5 T; 0 U; 0 Other;
SQ
XX Query Match 12.9%; Score 9.4; DB 1; Length 13;
XX Best Local Similarity 90.9%; Pred. No. 1.3e+03;
XX Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
QY 946 GGTTTAATGTA 956
DB 13 GGTTTAAGTA 3
|||||||
RESULT 2317
ABC39267
ID ABC39267 standard; DNA; 13 BP.
XX
XX ABC39267;
XX
XX 20-FEB-2002 (first entry)
XX
XX Oligonucleotide SEQ ID NO 39284 for detecting SNP TSC0012032.
XX
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
XX Homo sapiens.
XX
XX WO200177384-A2.
XX
XX 18-OCT-2001.
XX
XX 06-APR-2001; 2001WO-IB000713.
XX
XX 07-APR-2000; 2000DE-01019173.
XX
XX (EPIG-) EPIGENOMICS AG.
XX
XX Olek A, Piepenbrock C, Berlin K;
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XX WPI; 2001-657177/75.
XX
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
XX Claim 1; SEQ ID NO 39284; 29pp + Sequence Listing; German.
PS
XX This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
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CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
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CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
XX Sequence 13 BP; 6 A; 3 C; 1 G; 3 T; 0 U; 0 Other;
SQ
XX Query Match 12.9%; Score 9.4; DB 1; Length 13;
XX Best Local Similarity 90.9%; Pred. No. 1.3e+03;
XX Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
QY 949 TTAATGATACG 959
DB 11 TTAATGATACG 1
|||||||
RESULT 2317
ABC39267
ID ABC39267 standard; DNA; 13 BP.
XX
XX ABC39267;
XX
XX 20-FEB-2002 (first entry)
XX
XX Oligonucleotide SEQ ID NO 39284 for detecting SNP TSC0012032.
XX
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
XX Homo sapiens.
XX
XX WO200177384-A2.
XX
XX 18-OCT-2001.
XX
XX 06-APR-2001; 2001WO-IB000713.
XX
XX 07-APR-2000; 2000DE-01019173.
XX
XX (EPIG-) EPIGENOMICS AG.
XX
XX Olek A, Piepenbrock C, Berlin K;
XX
XX WPI; 2001-657177/75.
XX
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
XX Claim 1; SEQ ID NO 39284; 29pp + Sequence Listing; German.
PS
XX This invention describes novel oligonucleotide primers or peptide nucleic
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CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
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CC central nervous system, cardiovascular and metabolic disorders. The
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CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
XX Sequence 13 BP; 6 A; 3 C; 1 G; 3 T; 0 U; 0 Other;
SQ
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CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences

XX Sequence 13 BP; 2 A; 6 C; 1 G; 4 T; 0 U; 0 Other;
SQ

Query Match 12.9%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 1.3e+03;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 955 TATCGTACCA 965

DB 2 TATCGTACCA 12

RESULT 2318

ABC64239/C
ID ABC64239 standard; DNA; 13 BP.

XX

AC ABC64239;

XX

DT 21-FEB-2002 (first entry)

XX

DE Oligonucleotide SEQ ID NO 64256 for detecting SNP TSC0016952.

XX

KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.

XX

OS Homo sapiens.

XX

PN WO200177384-A2.

XX

PD 18-OCT-2001.

XX

PF 06-APR-2001; 2001WO-IB000713.

XX

PR 07-APR-2000; 2000DE-01019173.

XX

PA (EPIG-) EPIGENOMICS AG.

XX

PI Olek A, Piepenbrock C, Berlin K;

XX

DR WPI; 2001-657177/75.

XX

PT Set of oligonucleotides, useful for diagnosis and cell typing, is

PT designed to detect single-nucleotide polymorphisms and cytosine

PT methylation status.

XX

PS Claim 1; SEQ ID NO 64256; 29pp + Sequence Listing; German.

XX

CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences

XX Sequence 13 BP; 7 A; 3 C; 0 G; 3 T; 0 U; 0 Other;

Query Match 12.9%; Score 9.4; DB 1; Length 13;

Best Local Similarity 90.9%; Pred. No. 1.3e+03;

Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 943 ATTGGTTTAAAT 953

DB 11 ATTGGTTTAT 1

RESULT 2319
ABC64623/C
ID ABC64623 standard; DNA; 13 BP.

XX

AC ABC64623;

XX

DT 21-FEB-2002 (first entry)

XX

DE Oligonucleotide SEQ ID NO 64640 for detecting SNP TSC0017049.

XX

KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.

XX

OS Homo sapiens.

XX

PN WO200177384-A2.

XX

PD 18-OCT-2001.

XX

PF 06-APR-2001; 2001WO-IB000713.

XX

PR 07-APR-2000; 2000DE-01019173.

XX

PA (EPIG-) EPIGENOMICS AG.

XX

PI Olek A, Piepenbrock C, Berlin K;

XX

DR WPI; 2001-657177/75.

XX

PT Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.

XX

PS Claim 1; SEQ ID NO 64640; 29pp + Sequence Listing; German.

XX

CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences

XX Sequence 13 BP; 11 A; 2 C; 0 G; 0 T; 0 U; 0 Other;

Query Match 12.9%; Score 9.4; DB 1; Length 13;

Best Local Similarity 90.9%; Pred. No. 1.3e+03;

Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 908 TTTTCTTTGGT 918

DB 12 TTTTCTTTGGT 2

RESULT 2320

ABC65725
ID ABC65725 standard; DNA; 13 BP.

XX

AC ABC65725;

XX

DT 21-FEB-2002 (first entry)

XX

DE Oligonucleotide SEQ ID NO 65742 for detecting SNP TSC0017295.

XX

KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;

KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
 XX Homo sapiens.
 XX WO200177384-A2.
 PN 18-OCT-2001.
 PD
 XX 06-APR-2001; 2001WO-IB0000713.
 XX 07-APR-2000; 2000DE-01019173.
 PR (EPIG-) EPIGENOMICS AG.
 XX Olek A, Piepenbrock C, Berlin K;
 XX WPI; 2001-657177/75.
 DR Set of oligonucleotides, useful for diagnosis and cell typing, is
 XX designed to detect single-nucleotide polymorphisms and cytosine
 PT methylation status.
 XX Claim 1; SEQ ID NO 65742; 29pp + Sequence Listing; German.
 PS This invention describes novel oligonucleotide primers or peptide nucleic
 XX acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
 CC and cytosine methylation status in chemically pretreated genomic DNA. The
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
 CC range of diseases including immune system, gastrointestinal, respiratory,
 CC central nervous system, cardiovascular and metabolic disorders. The
 CC oligomers are also used for detecting cell type differentiation. ABC00010
 CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and AB100010-AB182073
 CC represent the oligomers described in the invention. NOTE: The sequence
 CC data for this patent did not form part of the printed specification, but
 CC was obtained in electronic format from WIPO at
 CC ftp.wipo.int/pub/published_pct_sequences
 XX
 XX Sequence 13 BP; 4 A; 5 C; 1 G; 3 T; 0 U; 0 Other;
 SQ Query Match 12.9%; Score 9.4; DB 1; Length 13;
 Best Local Similarity 90.9%; Pred. No. 1.3e+03;
 Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
 QY 955 TATCGCTACCA 965
 DB 2 TATCGCCACCA 12
 RESULT 2321
 ABF22977/C
 ID ABF22977 standard; DNA; 13 BP.
 XX
 AC ABF22977;
 XX
 XX 21-FEB-2002 (first entry)
 DT
 XX Oligonucleotide SEQ ID NO 122974 for detecting SNP TSC0030741.
 DE
 XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
 KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
 KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
 XX
 XX Homo sapiens.
 OS
 XX WO200177384-A2.
 PN 18-OCT-2001.
 XX 06-APR-2001; 2001WO-IB0000713.
 XX 07-APR-2000; 2000DE-01019173.
 PR (EPIG-) EPIGENOMICS AG.
 XX Olek A, Piepenbrock C, Berlin K;
 XX WPI; 2001-657177/75.
 DR Set of oligonucleotides, useful for diagnosis and cell typing, is
 XX designed to detect single-nucleotide polymorphisms and cytosine
 PT methylation status.
 XX Claim 1; SEQ ID NO 122974; 29pp + Sequence Listing; German.
 PS This invention describes novel oligonucleotide primers or peptide nucleic
 XX acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
 CC and cytosine methylation status in chemically pretreated genomic DNA. The
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
 CC range of diseases including immune system, gastrointestinal, respiratory,
 CC central nervous system, cardiovascular and metabolic disorders. The
 CC oligomers are also used for detecting cell type differentiation. ABC00010
 CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and AB100010-AB182073
 CC represent the oligomers described in the invention. NOTE: The sequence
 CC data for this patent did not form part of the printed specification, but
 CC was obtained in electronic format from WIPO at
 CC ftp.wipo.int/pub/published_pct_sequences
 XX
 XX Sequence 13 BP; 4 A; 5 C; 1 G; 3 T; 0 U; 0 Other;
 SQ Query Match 12.9%; Score 9.4; DB 1; Length 13;
 Best Local Similarity 90.9%; Pred. No. 1.3e+03;
 Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
 QY 955 TATCGCTACCA 965
 DB 2 TATCGCCACCA 12
 RESULT 2321
 ABF22977/C
 ID ABF22977 standard; DNA; 13 BP.
 XX
 AC ABF22977;
 XX
 XX 21-FEB-2002 (first entry)
 DT
 XX Oligonucleotide SEQ ID NO 122974 for detecting SNP TSC0030741.
 DE
 XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
 KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
 KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
 XX
 XX Homo sapiens.
 OS
 XX WO200177384-A2.
 PN 18-OCT-2001.
 XX 06-APR-2001; 2001WO-IB0000713.
 XX 07-APR-2000; 2000DE-01019173.
 PR (EPIG-) EPIGENOMICS AG.
 XX Olek A, Piepenbrock C, Berlin K;
 XX WPI; 2001-657177/75.
 DR Set of oligonucleotides, useful for diagnosis and cell typing, is
 XX designed to detect single-nucleotide polymorphisms and cytosine
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 XX Claim 1; SEQ ID NO 122974; 29pp + Sequence Listing; German.
 PS This invention describes novel oligonucleotide primers or peptide nucleic
 XX acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
 CC and cytosine methylation status in chemically pretreated genomic DNA. The
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
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 CC central nervous system, cardiovascular and metabolic disorders. The
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 CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and AB100010-AB182073
 CC represent the oligomers described in the invention. NOTE: The sequence
 CC data for this patent did not form part of the printed specification, but
 CC was obtained in electronic format from WIPO at
 CC ftp.wipo.int/pub/published_pct_sequences
 XX
 XX Sequence 13 BP; 9 A; 2 C; 0 G; 2 T; 0 U; 0 Other;
 SQ Query Match 12.9%; Score 9.4; DB 1; Length 13;
 Best Local Similarity 90.9%; Pred. No. 1.3e+03;
 Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
 QY 947 GTTTAATGTTAT 957
 DB 13 GTTTAATGTTT 3
 RESULT 2322
 ABF25463/C
 ID ABF25463 standard; DNA; 13 BP.
 XX
 AC ABF25463;
 XX
 XX 21-FEB-2002 (first entry)
 DT
 XX Oligonucleotide SEQ ID NO 125460 for detecting SNP TSC0031370.
 DE
 XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
 KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
 KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
 XX
 XX Homo sapiens.
 OS
 XX WO200177384-A2.
 PN 18-OCT-2001.
 XX 06-APR-2001; 2001WO-IB0000713.
 XX 07-APR-2000; 2000DE-01019173.
 PR (EPIG-) EPIGENOMICS AG.
 XX Olek A, Piepenbrock C, Berlin K;
 XX WPI; 2001-657177/75.
 DR Set of oligonucleotides, useful for diagnosis and cell typing, is
 XX designed to detect single-nucleotide polymorphisms and cytosine
 PT methylation status.
 XX Claim 1; SEQ ID NO 125460; 29pp + Sequence Listing; German.
 PS This invention describes novel oligonucleotide primers or peptide nucleic
 XX acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
 CC and cytosine methylation status in chemically pretreated genomic DNA. The
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
 CC range of diseases including immune system, gastrointestinal, respiratory,
 CC central nervous system, cardiovascular and metabolic disorders. The
 CC oligomers are also used for detecting cell type differentiation. ABC00010
 CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and AB100010-AB182073
 CC represent the oligomers described in the invention. NOTE: The sequence
 CC data for this patent did not form part of the printed specification, but
 CC was obtained in electronic format from WIPO at
 CC ftp.wipo.int/pub/published_pct_sequences
 XX
 XX Sequence 13 BP; 9 A; 2 C; 0 G; 2 T; 0 U; 0 Other;
 SQ Query Match 12.9%; Score 9.4; DB 1; Length 13;
 Best Local Similarity 90.9%; Pred. No. 1.3e+03;
 Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
 QY 947 GTTTAATGTTAT 957
 DB 13 GTTTAATGTTT 3

CC and cytosine methylation status in chemically pretreated genomic DNA. The
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
 CC range of diseases including immune system, gastrointestinal, respiratory,
 CC central nervous system, cardiovascular and metabolic disorders. The
 CC oligomers are also used for detecting cell type differentiation. ABC00010
 CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
 CC represent the oligomers described in the invention. NOTE: The sequence
 CC data for this patent did not form part of the printed specification, but
 CC was obtained in electronic format from WIPO at
 CC ftp.wipo.int/pub/published_pct_sequences
 XX
 SQ Sequence 13 BP; 7 A; 3 C; 0 G; 3 T; 0 U; 0 Other;

Query Match 12.9%; Score 9.4; DB 1; Length 13;
 Best Local Similarity 90.9%; Pred. No. 1.3e+03;
 Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 943 ATTGGTTTAAAT 953
 Db 12 ATTGGTTTAAAT 2
 ||||| |||||

RESULT 2323
 ABF31385/C
 ID ABF31385 standard; DNA; 13 BP.
 AC ABF31385;
 XX
 DT 21-FEB-2002 (first entry)
 XX
 DE Oligonucleotide SEQ ID NO 131382 for detecting SNP TSC0032794.
 XX
 KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
 KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
 KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
 XX
 OS Homo sapiens.
 XX
 PN WO200177384-A2.
 XX
 PD 18-OCT-2001.
 XX
 PF 06-APR-2001; 2001WO-IB000713.
 XX
 PR 07-APR-2000; 2000DE-01019173.
 XX
 PA (EPIC-) EPIGENOMICS AG.
 XX
 PI Olek A, Piepenbrock C, Berlin K;
 XX
 DR WPI; 2001-657177/75.
 XX
 PT Set of oligonucleotides, useful for diagnosis and cell typing, is
 PT designed to detect single-nucleotide polymorphisms and cytosine
 PT methylation status.
 XX
 PS Claim 1; SEQ ID NO 131382; 29pp + Sequence Listing; German.

CC This invention describes novel oligonucleotide primers or peptide nucleic
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
 CC and cytosine methylation status in chemically pretreated genomic DNA. The
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
 CC range of diseases including immune system, gastrointestinal, respiratory,
 CC central nervous system, cardiovascular and metabolic disorders. The
 CC oligomers are also used for detecting cell type differentiation. ABC00010
 CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
 CC represent the oligomers described in the invention. NOTE: The sequence
 CC data for this patent did not form part of the printed specification, but
 CC was obtained in electronic format from WIPO at
 CC ftp.wipo.int/pub/published_pct_sequences
 XX
 SQ Sequence 13 BP; 7 A; 3 C; 0 G; 2 T; 0 U; 1 Other;

Query Match 12.9%; Score 9.4; DB 1; Length 13;
 Best Local Similarity 76.9%; Pred. No. 1.3e+03;
 Matches 10; Conservative 1; Mismatches 2; Indels 0; Gaps 0;

QY 945 TGGTTTAAATGAT 957
 Db 13 TGGTTTAAATGAT 1
 ||||| |||||

RESULT 2324
 ABF33100
 ID ABF33100 standard; DNA; 13 BP.
 XX
 AC ABF33100;
 XX
 DT 21-FEB-2002 (first entry)
 XX
 DE Oligonucleotide SEQ ID NO 133097 for detecting SNP TSC0033208.
 XX
 KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
 KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
 KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
 XX
 OS Homo sapiens.
 XX
 PN WO200177384-A2.
 XX
 PD 18-OCT-2001.
 XX
 PF 06-APR-2001; 2001WO-IB000713.
 XX
 PR 07-APR-2000; 2000DE-01019173.
 XX
 PA (EPIC-) EPIGENOMICS AG.
 XX
 PI Olek A, Piepenbrock C, Berlin K;
 XX
 DR WPI; 2001-657177/75.
 XX
 PT Set of oligonucleotides, useful for diagnosis and cell typing, is
 PT designed to detect single-nucleotide polymorphisms and cytosine
 PT methylation status.
 XX
 PS Claim 1; SEQ ID NO 133097; 29pp + Sequence Listing; German.

CC This invention describes novel oligonucleotide primers or peptide nucleic
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
 CC and cytosine methylation status in chemically pretreated genomic DNA. The
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
 CC range of diseases including immune system, gastrointestinal, respiratory,
 CC central nervous system, cardiovascular and metabolic disorders. The
 CC oligomers are also used for detecting cell type differentiation. ABC00010
 CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
 CC represent the oligomers described in the invention. NOTE: The sequence
 CC data for this patent did not form part of the printed specification, but
 CC was obtained in electronic format from WIPO at
 CC ftp.wipo.int/pub/published_pct_sequences
 XX
 SQ Sequence 13 BP; 0 A; 1 C; 4 G; 7 T; 0 U; 1 Other;

Query Match 12.9%; Score 9.4; DB 1; Length 13;
 Best Local Similarity 76.9%; Pred. No. 1.3e+03;
 Matches 10; Conservative 1; Mismatches 2; Indels 0; Gaps 0;

QY 906 CATTTTCCTTGGT 918
 Db 1 CGTTTGTTCGGY 13
 ||||| |||||

RESULT 2325
 ABF33103/C
 ID ABF33103 standard; DNA; 13 BP.
 XX

PT Set of oligonucleotides, useful for diagnosis and cell typing, is
 PT designed to detect single-nucleotide polymorphisms and cytosine
 PT methylation status.

XX Claim 1; SEQ ID NO 218936; 29pp + Sequence Listing; German.

XX This invention describes novel oligonucleotide primers or peptide nucleic
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
 CC and cytosine methylation status in chemically pretreated genomic DNA. The
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
 CC range of diseases including immune system, gastrointestinal, respiratory,
 CC central nervous system, cardiovascular and metabolic disorders. The
 CC oligomers are also used for detecting cell type differentiation. ABC00010
 CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
 CC represent the oligomers described in the invention. NOTE: The sequence
 CC data for this patent did not form part of the printed specification, but
 CC was obtained in electronic format from WIPO at
 CC ftp.wipo.int/pub/published_pct_sequences

XX Sequence 13 BP; 0 A; 8 C; 0 G; 5 T; 0 U; 0 Other;

Query Match 12.9%; Score 9.4; DB 1; Length 13;
 Best Local Similarity 90.9%; Pred. No. 1.3e+03;
 Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 928 TTATCCCTCTCT 938

DB 3 TTCTCCCTCT 13

RESULT 2328

ABF94182/C
 ID ABF94182 standard; DNA; 13 BP.

XX ABF94182;

XX 22-FEB-2002 (first entry)

DE Oligonucleotide SEQ ID NO 194179 for detecting SNP TSC0047755.

XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
 KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
 KW central nervous system; gastrointestinal; respiratory; immune; metabolic.

XX Homo sapiens.

XX WO200177384-A2.

XX 18-OCT-2001.

XX 06-APR-2001; 2001WO-IB000713.

XX 07-APR-2000; 2000DE-01019173.

XX (EPIG-) EPIGENOMICS AG.

PI Olek A, Piepenbrock C, Berlin K;

DR WPI; 2001-657177/75.

PT Set of oligonucleotides, useful for diagnosis and cell typing, is
 PT designed to detect single-nucleotide polymorphisms and cytosine
 PT methylation status.

XX Claim 1; SEQ ID NO 194179; 29pp + Sequence Listing; German.

XX This invention describes novel oligonucleotide primers or peptide nucleic
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
 CC and cytosine methylation status in chemically pretreated genomic DNA. The
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
 CC range of diseases including immune system, gastrointestinal, respiratory,
 CC central nervous system, cardiovascular and metabolic disorders. The
 CC oligomers are also used for detecting cell type differentiation. ABC00010

CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
 CC represent the oligomers described in the invention. NOTE: The sequence
 CC data for this patent did not form part of the printed specification, but
 CC was obtained in electronic format from WIPO at
 CC ftp.wipo.int/pub/published_pct_sequences

XX Sequence 13 BP; 7 A; 0 C; 1 G; 5 T; 0 U; 0 Other;

Query Match 12.9%; Score 9.4; DB 1; Length 13;
 Best Local Similarity 90.9%; Pred. No. 1.3e+03;
 Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 948 TTTAATGATC 958

DB 12 TTTAATATATC 2

RESULT 2329

ABF97554/C
 ID ABF97554 standard; DNA; 13 BP.

XX ABF97554;

XX 22-FEB-2002 (first entry)

DE Oligonucleotide SEQ ID NO 197551 for detecting SNP TSC0048617.

XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
 KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
 KW central nervous system; gastrointestinal; respiratory; immune; metabolic.

XX Homo sapiens.

XX WO200177384-A2.

XX 18-OCT-2001.

XX 06-APR-2001; 2001WO-IB000713.

XX 07-APR-2000; 2000DE-01019173.

XX (EPIG-) EPIGENOMICS AG.

PI Olek A, Piepenbrock C, Berlin K;

DR WPI; 2001-657177/75.

PT Set of oligonucleotides, useful for diagnosis and cell typing, is
 PT designed to detect single-nucleotide polymorphisms and cytosine
 PT methylation status.

XX Claim 1; SEQ ID NO 197551; 29pp + Sequence Listing; German.

XX This invention describes novel oligonucleotide primers or peptide nucleic
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
 CC and cytosine methylation status in chemically pretreated genomic DNA. The
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
 CC range of diseases including immune system, gastrointestinal, respiratory,
 CC central nervous system, cardiovascular and metabolic disorders. The
 CC oligomers are also used for detecting cell type differentiation. ABC00010
 CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
 CC represent the oligomers described in the invention. NOTE: The sequence
 CC data for this patent did not form part of the printed specification, but
 CC was obtained in electronic format from WIPO at
 CC ftp.wipo.int/pub/published_pct_sequences

XX Sequence 13 BP; 7 A; 0 C; 3 G; 3 T; 0 U; 0 Other;

Query Match 12.9%; Score 9.4; DB 1; Length 13;
 Best Local Similarity 90.9%; Pred. No. 1.3e+03;
 Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 905 TCATTTCTTT 915

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Db      12 TCAATTACTTT 2
      ||||| |||
RESULT 2330
ABF97820/c
ID ABF97820 standard; DNA; 13 BP.
XX
AC ABF97820;
XX
DT 22-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 197817 for detecting SNP TSC0048685.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
FN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
PI MPI; 2001-657177/75.
XX
DR
XX
PT Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
PS Claim 1; SEQ ID NO 197817; 29pp + Sequence Listing; German.
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 13 BP; 3 A; 1 C; 5 G; 4 T; 0 U; 0 Other;
XX
Query Match 12.9%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 1.3e+03;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
XX
QY 955 TATCGCTACCA 965
Db 11 TATCGATACCA 1
      ||||| |||
RESULT 2331
ABH23859/c
ID ABH23859 standard; DNA; 13 BP.
XX
AC ABH23859;
XX
DT 22-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 223836 for detecting SNP TSC0054505.
XX
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
FN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
PI MPI; 2001-657177/75.
XX
DR
XX
PT Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
PS Claim 1; SEQ ID NO 197817; 29pp + Sequence Listing; German.
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 13 BP; 3 A; 1 C; 5 G; 4 T; 0 U; 0 Other;
XX
Query Match 12.9%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 1.3e+03;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
XX
QY 952 ATGTATCGCTA 962
Db 13 ATGTATCGTTA 3
      ||||| |||
RESULT 2332
ABF99390/c
ID ABF99390 standard; DNA; 13 BP.
XX
AC ABF99390;
XX
DT 22-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 199387 for detecting SNP TSC0049058.
XX
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
FN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB000713.
XX

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PR 07-APR-2000; 2000DE-01019173.
PA (EPIG-) EPIGENOMICS AG.
PI Olek A, Piepenbrock C, Berlin K;
XX WPI; 2001-657177/75.
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX Claim 1; SEQ ID NO 19387; 29pp + Sequence Listing; German.
XX This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC9989, ABF00010-ABF9989, ABH00010-ABH9989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
XX Query Match 12.9%; Score 9.4; DB 1; Length 13;
XX Best Local Similarity 90.9%; Pred. No. 1.3e+03;
XX Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
XX
XX QY 924 CCTTTATCCC 934
XX DB 11 CCTTTATCCC 1
XX
RESULT 2333
ABF76918/c
ID ABF76918 standard; DNA; 13 BP.
AC ABF76918;
XX
XX 22-FEB-2002 (first entry)
XX
XX Oligonucleotide SEQ ID NO 176915 for detecting SNP TSC0043896.
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
XX Homo sapiens.
XX
XX WO200177384-A2.
XX
XX 18-OCT-2001.
XX
XX 06-APR-2001; 2001WO-IB000713.
XX
XX 07-APR-2000; 2000DE-01019173.
XX (EPIG-) EPIGENOMICS AG.
XX
XX Olek A, Piepenbrock C, Berlin K;
XX
XX WPI; 2001-657177/75.
XX
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX Claim 1; SEQ ID NO 176915; 29pp + Sequence Listing; German.
XX This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC9989, ABF00010-ABF9989, ABH00010-ABH9989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
XX Query Match 12.9%; Score 9.4; DB 1; Length 13;
XX Best Local Similarity 90.9%; Pred. No. 1.3e+03;
XX Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
XX
XX QY 924 CCTTTATCCC 934
XX DB 11 CCTTTATCCC 1
XX
RESULT 2334
ABF77490
ID ABF77490 standard; DNA; 13 BP.
AC ABF77490;
XX
XX 22-FEB-2002 (first entry)
XX
XX Oligonucleotide SEQ ID NO 177487 for detecting SNP TSC0044012.
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
XX Homo sapiens.
XX
XX WO200177384-A2.
XX
XX 18-OCT-2001.
XX
XX 06-APR-2001; 2001WO-IB000713.
XX
XX 07-APR-2000; 2000DE-01019173.
XX (EPIG-) EPIGENOMICS AG.
XX
XX Olek A, Piepenbrock C, Berlin K;
XX
XX WPI; 2001-657177/75.
XX
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX Claim 1; SEQ ID NO 177487; 29pp + Sequence Listing; German.
XX This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC9989, ABF00010-ABF9989, ABH00010-ABH9989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
XX Query Match 12.9%; Score 9.4; DB 1; Length 13;
XX Best Local Similarity 90.9%; Pred. No. 1.3e+03;
XX Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
XX
XX QY 934 CTCCTCTTCAT 944
XX DB 13 CTCCTCTTCAT 3
XX
RESULT 2334
ABF77490
ID ABF77490 standard; DNA; 13 BP.
AC ABF77490;
XX
XX 22-FEB-2002 (first entry)
XX
XX Oligonucleotide SEQ ID NO 177487 for detecting SNP TSC0044012.
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
XX Homo sapiens.
XX
XX WO200177384-A2.
XX
XX 18-OCT-2001.
XX
XX 06-APR-2001; 2001WO-IB000713.
XX
XX 07-APR-2000; 2000DE-01019173.
XX (EPIG-) EPIGENOMICS AG.
XX
XX Olek A, Piepenbrock C, Berlin K;
XX
XX WPI; 2001-657177/75.
XX
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX Claim 1; SEQ ID NO 177487; 29pp + Sequence Listing; German.
XX This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC9989, ABF00010-ABF9989, ABH00010-ABH9989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX

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XX SQ Sequence 13 BP; 2 A; 0 C; 2 G; 9 T; 0 U; 0 Other;
Query Match 12.9%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 1.3e+03;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 908 TTTTCTTTGGT 918
   |||||
   3 TTTTATTGGT 13

RESULT 2335
ABF77493/C
ID ABF77493 standard; DNA; 13 BP.
XX AC
XX ABF77493;
XX DT
XX 22-FEB-2002 (first entry)
XX DE
XX Oligonucleotide SEQ ID NO 177490 for detecting SNP TSC0044012.
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX OS Homo sapiens.
XX WO200177384-A2.
XX PD
XX 18-OCT-2001.
XX PF
XX 06-APR-2001; 2001WO-IB000713.
XX PR
XX 07-APR-2000; 2000DE-01019173.
XX PA (EPITG-) EPIGENOMICS AG.
XX PI Olek A, Piepenbrock C, Berlin K;
XX WPI; 2001-657177/75.
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
XX designed to detect single-nucleotide polymorphisms and cytosine
XX methylation status.
XX Claim 1; SEQ ID NO 177490; 29pp + Sequence Listing; German.
XX This invention describes novel oligonucleotide primers or peptide nucleic
XX acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
XX and cytosine methylation status in chemically pretreated genomic DNA. The
XX oligonucleotides are used for diagnosis and/or prognosis of cancer and a
XX range of diseases including immune system, gastrointestinal, respiratory,
XX central nervous system, cardiovascular and metabolic disorders. The
XX oligomers are also used for detecting cell type differentiation. ABC00010
XX -ABF9989, ABF00010-ABF9989, ABH00010-ABH9989 and ABI00010-ABI82073
XX represent the oligomers described in the invention. NOTE: The sequence
XX data for this patent did not form part of the printed specification, but
XX was obtained in electronic format from WIPO at
XX ftp.wipo.int/pub/published_pct_sequences
XX SQ Sequence 13 BP; 9 A; 3 C; 0 G; 1 T; 0 U; 0 Other;
Query Match 12.9%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 1.3e+03;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 908 TTTTCTTTGGT 918
   |||||
   11 TTTTGTTTGGT 1

RESULT 2336
ABF77493/C
ID ABF77493 standard; DNA; 13 BP.
XX AC
XX ABF77493;
XX DT
XX 22-FEB-2002 (first entry)
XX DE
XX Oligonucleotide SEQ ID NO 177490 for detecting SNP TSC0044012.
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX OS Homo sapiens.
XX WO200177384-A2.
XX PD
XX 18-OCT-2001.
XX PF
XX 06-APR-2001; 2001WO-IB000713.
XX PR
XX 07-APR-2000; 2000DE-01019173.
XX PA (EPITG-) EPIGENOMICS AG.
XX PI Olek A, Piepenbrock C, Berlin K;
XX WPI; 2001-657177/75.
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
XX designed to detect single-nucleotide polymorphisms and cytosine
XX methylation status.
XX Claim 1; SEQ ID NO 177490; 29pp + Sequence Listing; German.
XX This invention describes novel oligonucleotide primers or peptide nucleic
XX acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
XX and cytosine methylation status in chemically pretreated genomic DNA. The
XX oligonucleotides are used for diagnosis and/or prognosis of cancer and a
XX range of diseases including immune system, gastrointestinal, respiratory,
XX central nervous system, cardiovascular and metabolic disorders. The
XX oligomers are also used for detecting cell type differentiation. ABC00010
XX -ABF9989, ABF00010-ABF9989, ABH00010-ABH9989 and ABI00010-ABI82073
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XX SQ Sequence 13 BP; 2 A; 6 C; 1 G; 3 T; 0 U; 1 Other;
Query Match 12.9%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 1.3e+03;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 930 ATCCCTCTCTCT 940
   |||||
   3 ATCCCTCCGCT 13

RESULT 2337
ABH03288
ID ABH03288 standard; DNA; 13 BP.
XX AC
XX ABH03288;
XX DT
XX 22-FEB-2002 (first entry)
XX DE
XX Oligonucleotide SEQ ID NO 203265 for detecting SNP TSC0049909.
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX central nervous system; gastrointestinal; respiratory; immune; metabolic.
```

OS Homo sapiens.
XX WO200177384-A2.
XX PD 18-OCT-2001.
XX PF 06-APR-2001; 2001WO-IB000713.
XX PR 07-APR-2000; 2000DE-01019173.
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XX DR WPI; 2001-657177/75.
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
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PT methylation status.
XX Claim 1; SEQ ID NO 203265; 29pp + Sequence Listing; German.
XX This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
XX Sequence 13 BP; 2 A; 0 C; 2 G; 8 T; 0 U; 1 Other;
Query Match 12.9%; Score 9.4; DB 1; Length 13;
Best Local Similarity 76.9%; Pred. No. 1.3e+03;
Matches 10; Conservative 1; Mismatches 2; Indels 0; Gaps 0;
QY 945 TCGTTTAAATGTAT 957
DB 1 TTGTTTAAATGTAT 13
RESULT 2338
ABH04897/C
ID ABH04897 standard; DNA; 13 BP.
XX AC ABH04897;
XX DT 22-FEB-2002 (first entry)
XX DE Oligonucleotide SEQ ID NO 204874 for detecting SNP TSC0050247.
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX Homo sapiens.
XX WO200177384-A2.
XX PD 18-OCT-2001.
XX PF 06-APR-2001; 2001WO-IB000713.
XX PR 07-APR-2000; 2000DE-01019173.
XX PA (EPIG-) EPIGENOMICS AG.
XX PI Olek A, Piepenbrock C, Berlin K;

XX WPI; 2001-657177/75.
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX Claim 1; SEQ ID NO 204874; 29pp + Sequence Listing; German.
XX This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
XX Sequence 13 BP; 7 A; 1 C; 0 G; 4 T; 0 U; 1 Other;
Query Match 12.9%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 1.3e+03;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
QY 943 ATTGTTTAAAT 953
DB 13 ATTGTTTAAAT 3
RESULT 2339
ABH05320
ID ABH05320 standard; DNA; 13 BP.
XX AC ABH05320;
XX DT 22-FEB-2002 (first entry)
XX DE Oligonucleotide SEQ ID NO 205297 for detecting SNP TSC0050330.
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX Homo sapiens.
XX WO200177384-A2.
XX PD 18-OCT-2001.
XX PF 06-APR-2001; 2001WO-IB000713.
XX PR 07-APR-2000; 2000DE-01019173.
XX PA (EPIG-) EPIGENOMICS AG.
XX PI Olek A, Piepenbrock C, Berlin K;
XX DR WPI; 2001-657177/75.
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX Claim 1; SEQ ID NO 205297; 29pp + Sequence Listing; German.
XX This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
XX Sequence 13 BP; 7 A; 1 C; 0 G; 4 T; 0 U; 1 Other;
Query Match 12.9%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 1.3e+03;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
QY 943 ATTGTTTAAAT 953
DB 13 ATTGTTTAAAT 3

CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 13 BP; 5 A; 0 C; 2 G; 6 T; 0 U; 0 Other;

Query Match 12.9%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 1.3e+03;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 943 ATTGGTTTAAT 953
Db 2 ATTGGATTAAAT 12
|||||

RESULT 2340
ABH32348
ID ABH32348 standard; DNA; 13 BP.
XX AC ABH32348;
XX
DT 22-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 232325 for detecting SNP TSC0056660.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
FN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
DR WPI; 2001-657177/75.
XX
PT Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
PS Claim 1; SEQ ID NO 232325; 29pp + Sequence Listing; German.
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 13 BP; 6 A; 0 C; 1 G; 6 T; 0 U; 0 Other;

Query Match 12.9%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 1.3e+03;

Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 943 ATTGGTTTAAT 953
Db 3 ATTAGTTTAAT 13
|||||

RESULT 2341
ABF57799
ID ABF57799 standard; DNA; 13 BP.
XX AC ABF57799;
XX
DT 21-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 157796 for detecting SNP TSC0039743.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
FN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
DR WPI; 2001-657177/75.
XX
PT Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
PS Claim 1; SEQ ID NO 157796; 29pp + Sequence Listing; German.
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 13 BP; 2 A; 4 C; 0 G; 7 T; 0 U; 0 Other;

Query Match 12.9%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 1.3e+03;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 905 TCATTTCCTTT 915
Db 2 TCATTTCCTTT 12
|||||

RESULT 2342
ABF58534
ID ABF58534 standard; DNA; 13 BP.
XX AC ABF58534;
XX

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DT 21-FEB-2002 (first entry)
DE Oligonucleotide SEQ ID NO 158531 for detecting SNP TSC0039907.
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
WPI; 2001-657177/75.
XX
Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
PS Claim 1; SEQ ID NO 158531; 29pp + Sequence Listing; German.
XX
This invention describes novel oligonucleotide primers or peptide nucleic
XX acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
XX and cytosine methylation status in chemically pretreated genomic DNA. The
XX oligonucleotides are used for diagnosis and/or prognosis of cancer and a
XX range of diseases including immune system, gastrointestinal, respiratory,
XX central nervous system, cardiovascular and metabolic disorders. The
XX oligomers are also used for detecting cell type differentiation. ABC00010
XX -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
XX represent the oligomers described in the invention. NOTE: The sequence
XX data for this patent did not form part of the printed specification, but
XX was obtained in electronic format from WIPO at
XX ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 13 BP; 2 A; 0 C; 4 G; 7 T; 0 U; 0 Other;
XX
Query Match 12.9%; Score 9.4; DB 1; Length 13;
XX Best Local Similarity 90.9%; Pred. No. 1.3e+03;
XX Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
XX
QY 940 TTCATTGGTTT 950
DB 3 TTCATTGGTTT 13
XX
RESULT 2343
ABH36110
ID ABH36110 standard; DNA; 13 BP.
XX
AC ABH36110;
XX
DT 22-FEB-2002 (first entry)
DE Oligonucleotide SEQ ID NO 236087 for detecting SNP TSC0004735.
XX
SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
WO200177384-A2.
XX
PD 18-OCT-2001.

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XX
PF 06-APR-2001; 2001WO-IB000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
WPI; 2001-657177/75.
XX
Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
PS Claim 1; SEQ ID NO 236087; 29pp + Sequence Listing; German.
XX
This invention describes novel oligonucleotide primers or peptide nucleic
XX acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
XX and cytosine methylation status in chemically pretreated genomic DNA. The
XX oligonucleotides are used for diagnosis and/or prognosis of cancer and a
XX range of diseases including immune system, gastrointestinal, respiratory,
XX central nervous system, cardiovascular and metabolic disorders. The
XX oligomers are also used for detecting cell type differentiation. ABC00010
XX -ABC99989, ABF00010-ABF9989, ABH00010-ABH9989 and ABI00010-ABI82073
XX represent the oligomers described in the invention. NOTE: The sequence
XX data for this patent did not form part of the printed specification, but
XX was obtained in electronic format from WIPO at
XX ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 13 BP; 2 A; 1 C; 4 G; 6 T; 0 U; 0 Other;
XX
Query Match 12.9%; Score 9.4; DB 1; Length 13;
XX Best Local Similarity 90.9%; Pred. No. 1.3e+03;
XX Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
XX
QY 941 TCATTGGTTTA 951
DB 3 TCATTGGTTTA 13
XX
RESULT 2344
ABF60976
ID ABF60976 standard; DNA; 13 BP.
XX
AC ABF60976;
XX
DT 22-FEB-2002 (first entry)
DE Oligonucleotide SEQ ID NO 160973 for detecting SNP TSC0005250.
XX
SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
WPI; 2001-657177/75.
XX
Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT

```


PT methylation status.
XX Claim 1; SEQ ID NO 160973; 29pp + Sequence Listing; German.
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and AB100010-AB182073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 13 BP; 3 A; 0 C; 4 G; 5 T; 0 U; 1 Other;

Query Match 12.9%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 1.3e+03;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 947 GTTAAATGAT 957
Db 1 GGTAAATGAT 11

RESULT 2345
ABH11416
ID ABH11416 standard; DNA; 13 BP.
XX
AC ABH11416;
XX
XX
DT 22-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 211393 for detecting SNP TSC0051569.
XX
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
XX Homo sapiens.
XX
XX WO200177384-A2.
XX
XX 18-OCT-2001.
XX
XX 06-APR-2001; 2001WO-IB0000713.
XX
XX 07-APR-2000; 2000DE-01019173.
XX
XX (EPIG-) EPIGENOMICS AG.
XX
XX Olek A, Piepenbrock C, Berlin K;
XX
XX WPI; 2001-657177/75.
XX
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
XX Claim 1; SEQ ID NO 211393; 29pp + Sequence Listing; German.
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and AB100010-AB182073
CC represent the oligomers described in the invention. NOTE: The sequence

CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 13 BP; 2 A; 0 C; 2 G; 8 T; 0 U; 1 Other;

Query Match 12.9%; Score 9.4; DB 1; Length 13;
Best Local Similarity 76.9%; Pred. No. 1.3e+03;
Matches 10; Conservative 1; Mismatches 2; Indels 0; Gaps 0;

Qy 943 ATTGGTTAATGT 955
Db 1 ATTGGTTAATGT 13

RESULT 2346
ABF62774
ID ABF62774 standard; DNA; 13 BP.
XX
AC ABF62774;
XX
XX 22-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 162771 for detecting SNP TSC0040932.
XX
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
XX Homo sapiens.
XX
XX WO200177384-A2.
XX
XX 18-OCT-2001.
XX
XX 06-APR-2001; 2001WO-IB0000713.
XX
XX 07-APR-2000; 2000DE-01019173.
XX
XX (EPIG-) EPIGENOMICS AG.
XX
XX Olek A, Piepenbrock C, Berlin K;
XX
XX WPI; 2001-657177/75.
XX
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
XX Claim 1; SEQ ID NO 162771; 29pp + Sequence Listing; German.
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and AB100010-AB182073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 13 BP; 6 A; 0 C; 3 G; 4 T; 0 U; 0 Other;

Query Match 12.9%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 1.3e+03;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 946 GGTAAATGTA 956
Db 1 GGTAAATGTA 11

```

RESULT 2347
ABH14483/c
ID ABH14483 standard; DNA; 13 BP.
XX
XX
AC ABH14483;
XX
XX
DT 22-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 214460 for detecting SNP TSC0052165.
XX
DE SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
XX
PF 06-APR-2001; 2001WO-IB000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
DR WPI; 2001-657177/75.
XX
XX
Set of oligonucleotides, useful for diagnosis and cell typing, is
designed to detect single-nucleotide polymorphisms and cytosine
methylation status.
XX
XX
Claim 1; SEQ ID NO 214460; 29pp + Sequence Listing; German.
XX
XX
This invention describes novel oligonucleotide primers or peptide nucleic
acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
and cytosine methylation status in chemically pretreated genomic DNA. The
oligonucleotides are used for diagnosis and/or prognosis of cancer and a
range of diseases including immune system, gastrointestinal, respiratory,
central nervous system, cardiovascular and metabolic disorders. The
oligonucleotides are also used for detecting cell type differentiation. ABC00010
-ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
represent the oligomers described in the invention. NOTE: The sequence
data for this patent did not form part of the printed specification, but
was obtained in electronic format from WIPO at
ftp.wipo.int/pub/published_pct_sequences
XX
XX
Sequence 13 BP; 6 A; 3 C; 1 G; 3 T; 0 U; 0 Other;
XX
XX
Query Match 12.9%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 1.3e+03;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
XX
QY 952 ATGTATCGCTA 962
DB 13 ATGTATCGCTA 3
XX
RESULT 2348
ABF65321/c
ID ABF65321 standard; DNA; 13 BP.
XX
XX
AC ABF65321;
XX
XX
DT 22-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 165318 for detecting SNP TSC0041464.
XX
DE SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
XX
PF 06-APR-2001; 2001WO-IB000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
DR WPI; 2001-657177/75.
XX
XX
Set of oligonucleotides, useful for diagnosis and cell typing, is
designed to detect single-nucleotide polymorphisms and cytosine
methylation status.
XX
XX
Claim 1; SEQ ID NO 165318; 29pp + Sequence Listing; German.
XX
XX
This invention describes novel oligonucleotide primers or peptide nucleic
acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
and cytosine methylation status in chemically pretreated genomic DNA. The
oligonucleotides are used for diagnosis and/or prognosis of cancer and a
range of diseases including immune system, gastrointestinal, respiratory,
central nervous system, cardiovascular and metabolic disorders. The
oligonucleotides are also used for detecting cell type differentiation. ABC00010
-ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
represent the oligomers described in the invention. NOTE: The sequence
data for this patent did not form part of the printed specification, but
was obtained in electronic format from WIPO at
ftp.wipo.int/pub/published_pct_sequences
XX
XX
Sequence 13 BP; 6 A; 3 C; 1 G; 3 T; 0 U; 0 Other;
XX
XX
Query Match 12.9%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 1.3e+03;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
XX
QY 952 ATGTATCGCTA 962
DB 13 ATGTATCGCTA 3
XX

```

```

KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
XX
PF 06-APR-2001; 2001WO-IB000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
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DR WPI; 2001-657177/75.
XX
XX
Set of oligonucleotides, useful for diagnosis and cell typing, is
designed to detect single-nucleotide polymorphisms and cytosine
methylation status.
XX
XX
Claim 1; SEQ ID NO 165318; 29pp + Sequence Listing; German.
XX
XX
This invention describes novel oligonucleotide primers or peptide nucleic
acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
and cytosine methylation status in chemically pretreated genomic DNA. The
oligonucleotides are used for diagnosis and/or prognosis of cancer and a
range of diseases including immune system, gastrointestinal, respiratory,
central nervous system, cardiovascular and metabolic disorders. The
oligonucleotides are also used for detecting cell type differentiation. ABC00010
-ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
represent the oligomers described in the invention. NOTE: The sequence
data for this patent did not form part of the printed specification, but
was obtained in electronic format from WIPO at
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XX
XX
Sequence 13 BP; 6 A; 3 C; 0 G; 4 T; 0 U; 0 Other;
XX
XX
Query Match 12.9%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 1.3e+03;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
XX
QY 949 TTAATGTATCG 959
DB 11 TTAATGTATAG 1
XX
RESULT 2349
ABH45848
ID ABH45848 standard; DNA; 13 BP.
XX
XX
AC ABH45848;
XX
XX
DT 22-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 245825 for detecting SNP TSC0010699.
XX
XX
SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
XX
PF 06-APR-2001; 2001WO-IB000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX

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BOOK OCT 10 11:10:13 2001 SCHULZ 0001199 189C 1023

PA (EPIG-) EPIGENOMICS AG.
XX Olek A, Piepenbrock C, Berlin K;
XX WPI; 2001-657177/75.
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX Claim 1; SEQ ID NO 245825; 29pp + Sequence Listing; German.
XX This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC range of diseases including immune system, gastrointestinal, respiratory,
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
XX Sequence 13 BP; 3 A; 0 C; 1 G; 8 T; 0 U; 1 Other;
Query Match 12.9%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 1.3e+03;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
QY 943 ATTGGTTTAAAT 953
Db 1 ATTGGTTTAAAT 11
RESULT 2350
ABH45849/c
ID ABH45849 standard; DNA; 13 BP.
XX ABH45849;
XX 22-FEB-2002 (first entry)
XX Oligonucleotide SEQ ID NO 245826 for detecting SNP TSC0010699.
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX Homo sapiens.
XX WO200177384-A2.
XX 18-OCT-2001.
XX 06-APR-2001; 2001WO-IB000713.
XX 07-APR-2000; 2000DE-01019173.
XX (EPIG-) EPIGENOMICS AG.
XX Olek A, Piepenbrock C, Berlin K;
XX WPI; 2001-657177/75.
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX Claim 1; SEQ ID NO 245826; 29pp + Sequence Listing; German.
XX This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC range of diseases including immune system, gastrointestinal, respiratory,
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
XX Sequence 13 BP; 6 A; 3 C; 0 G; 4 T; 0 U; 0 Other;
Query Match 12.9%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 1.3e+03;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
QY 943 ATTGGTTTAAAT 953
Db 1 ATTGGTTTAAAT 11
RESULT 2351
ABH47705/c
ID ABH47705 standard; DNA; 13 BP.
XX ABH47705;
XX 22-FEB-2002 (first entry)
XX Oligonucleotide SEQ ID NO 247682 for detecting SNP TSC0060535.
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX Homo sapiens.
XX WO200177384-A2.
XX 18-OCT-2001.
XX 06-APR-2001; 2001WO-IB000713.
XX 07-APR-2000; 2000DE-01019173.
XX (EPIG-) EPIGENOMICS AG.
XX Olek A, Piepenbrock C, Berlin K;
XX WPI; 2001-657177/75.
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX Claim 1; SEQ ID NO 247682; 29pp + Sequence Listing; German.
XX This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC range of diseases including immune system, gastrointestinal, respiratory,
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
XX Sequence 13 BP; 8 A; 1 C; 0 G; 3 T; 0 U; 1 Other;
Query Match 12.9%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 1.3e+03;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
QY 943 ATTGGTTTAAAT 953
Db 13 ATTGGTTTAAAT 3

PA (EPIG-) EPIGENOMICS AG.
XX Olek A, Piepenbrock C, Berlin K;
XX WPI; 2001-657177/75.
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX Claim 1; SEQ ID NO 245825; 29pp + Sequence Listing; German.
XX This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC range of diseases including immune system, gastrointestinal, respiratory,
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
XX Sequence 13 BP; 3 A; 0 C; 1 G; 8 T; 0 U; 1 Other;
Query Match 12.9%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 1.3e+03;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
QY 943 ATTGGTTTAAAT 953
Db 1 ATTGGTTTAAAT 11
RESULT 2350
ABH45849/c
ID ABH45849 standard; DNA; 13 BP.
XX ABH45849;
XX 22-FEB-2002 (first entry)
XX Oligonucleotide SEQ ID NO 245826 for detecting SNP TSC0010699.
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX Homo sapiens.
XX WO200177384-A2.
XX 18-OCT-2001.
XX 06-APR-2001; 2001WO-IB000713.
XX 07-APR-2000; 2000DE-01019173.
XX (EPIG-) EPIGENOMICS AG.
XX Olek A, Piepenbrock C, Berlin K;
XX WPI; 2001-657177/75.
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX Claim 1; SEQ ID NO 245826; 29pp + Sequence Listing; German.
XX This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC range of diseases including immune system, gastrointestinal, respiratory,
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC central nervous system, cardiovascular and metabolic disorders. The
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CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
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CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
XX Sequence 13 BP; 6 A; 3 C; 0 G; 4 T; 0 U; 0 Other;
Query Match 12.9%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 1.3e+03;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
QY 943 ATTGGTTTAAAT 953
Db 1 ATTGGTTTAAAT 11
RESULT 2351
ABH47705/c
ID ABH47705 standard; DNA; 13 BP.
XX ABH47705;
XX 22-FEB-2002 (first entry)
XX Oligonucleotide SEQ ID NO 247682 for detecting SNP TSC0060535.
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX Homo sapiens.
XX WO200177384-A2.
XX 18-OCT-2001.
XX 06-APR-2001; 2001WO-IB000713.
XX 07-APR-2000; 2000DE-01019173.
XX (EPIG-) EPIGENOMICS AG.
XX Olek A, Piepenbrock C, Berlin K;
XX WPI; 2001-657177/75.
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX Claim 1; SEQ ID NO 247682; 29pp + Sequence Listing; German.
XX This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC range of diseases including immune system, gastrointestinal, respiratory,
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
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CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
XX Sequence 13 BP; 8 A; 1 C; 0 G; 3 T; 0 U; 1 Other;
Query Match 12.9%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 1.3e+03;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
QY 943 ATTGGTTTAAAT 953
Db 13 ATTGGTTTAAAT 3

```

Query Match      12.9%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 1.3e+03;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 945 TGGTTTAATGT 955
DB 11 TGGTATAATGT 1

RESULT 2352
ABH59081/c
ID ABH59081 standard; DNA; 13 BP.
XX
AC ABH59081;
XX
DT 22-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 259058 for detecting SNP TSC0007540.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
WPI; 2001-657177/75.
XX
Set of oligonucleotides, useful for diagnosis and cell typing, is
designed to detect single-nucleotide polymorphisms and cytosine
methylation status.
XX
Claim 1; SEQ ID NO 259058; 29pp + Sequence Listing; German.
XX
This invention describes novel oligonucleotide primers or peptide nucleic
acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
and cytosine methylation status in chemically pretreated genomic DNA. The
oligonucleotides are used for diagnosis and/or prognosis of cancer and a
range of diseases including immune system, gastrointestinal, respiratory,
central nervous system, cardiovascular and metabolic disorders. The
oligonucleotides are also used for detecting cell type differentiation.
-ABC9989, ABF00010-ABF9989, ABH00010-ABH9989 and ABI00010-ABI82073
represent the oligomers described in the invention. NOTE: The sequence
data for this patent did not form part of the printed specification, but
was obtained in electronic format from WIPO at
ftp.wipo.int/pub/published_pct_sequences
XX
Sequence 13 BP; 7 A; 3 C; 0 G; 3 T; 0 U; 0 Other;
XX
This invention describes novel oligonucleotide primers or peptide nucleic
acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
and cytosine methylation status in chemically pretreated genomic DNA. The
oligonucleotides are used for diagnosis and/or prognosis of cancer and a
range of diseases including immune system, gastrointestinal, respiratory,
central nervous system, cardiovascular and metabolic disorders. The
oligonucleotides are also used for detecting cell type differentiation.
-ABC9989, ABF00010-ABF9989, ABH00010-ABH9989 and ABI00010-ABI82073
represent the oligomers described in the invention. NOTE: The sequence
data for this patent did not form part of the printed specification, but
was obtained in electronic format from WIPO at
ftp.wipo.int/pub/published_pct_sequences
XX
Sequence 13 BP; 7 A; 3 C; 0 G; 3 T; 0 U; 0 Other;

Query Match      12.9%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 1.3e+03;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 947 GTTAAATGTAT 957
DB 13 GTTAAATGTAT 3

RESULT 2353
ABH64251/c
ID ABH64251 standard; DNA; 13 BP.
XX
AC ABH64251;
XX
DT 22-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 265110 for detecting SNP TSC0064241.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
WPI; 2001-657177/75.
XX
Set of oligonucleotides, useful for diagnosis and cell typing, is
designed to detect single-nucleotide polymorphisms and cytosine
methylation status.
XX
Claim 1; SEQ ID NO 264228; 29pp + Sequence Listing; German.
XX
This invention describes novel oligonucleotide primers or peptide nucleic
acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
and cytosine methylation status in chemically pretreated genomic DNA. The
oligonucleotides are used for diagnosis and/or prognosis of cancer and a
range of diseases including immune system, gastrointestinal, respiratory,
central nervous system, cardiovascular and metabolic disorders. The
oligonucleotides are also used for detecting cell type differentiation.
-ABC9989, ABF00010-ABF9989, ABH00010-ABH9989 and ABI00010-ABI82073
represent the oligomers described in the invention. NOTE: The sequence
data for this patent did not form part of the printed specification, but
was obtained in electronic format from WIPO at
ftp.wipo.int/pub/published_pct_sequences
XX
Sequence 13 BP; 6 A; 4 C; 0 G; 2 T; 0 U; 1 Other;
XX
Query Match      12.9%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 1.3e+03;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 945 TGGTTTAATGT 955
DB 13 TGGTATAATGT 3

RESULT 2354
ABH65133
ID ABH65133 standard; DNA; 13 BP.
XX
AC ABH65133;
XX
DT 22-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 265110 for detecting SNP TSC0064241.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
WPI; 2001-657177/75.
XX
Set of oligonucleotides, useful for diagnosis and cell typing, is
designed to detect single-nucleotide polymorphisms and cytosine
methylation status.
XX
Claim 1; SEQ ID NO 264228; 29pp + Sequence Listing; German.
XX
This invention describes novel oligonucleotide primers or peptide nucleic
acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
and cytosine methylation status in chemically pretreated genomic DNA. The
oligonucleotides are used for diagnosis and/or prognosis of cancer and a
range of diseases including immune system, gastrointestinal, respiratory,
central nervous system, cardiovascular and metabolic disorders. The
oligonucleotides are also used for detecting cell type differentiation.
-ABC9989, ABF00010-ABF9989, ABH00010-ABH9989 and ABI00010-ABI82073
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data for this patent did not form part of the printed specification, but
was obtained in electronic format from WIPO at
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XX
Sequence 13 BP; 6 A; 4 C; 0 G; 2 T; 0 U; 1 Other;

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PN WO200177384-A2.
XX
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
PI WPI; 2001-657177/75.
XX
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
XX Claim 1; SEQ ID NO 265110; 29pp + Sequence Listing; German.
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -AB09989, ABF0010-ABF9989, ABH0010-ABH9989 and AB10010-AB182073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC ftp.wipo.int/pub/published_pct_sequences
XX
XX Sequence 13 BP; 1 A; 5 C; 0 G; 6 T; 0 U; 1 Other;
XX
Query Match 12.9%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 1.3e+03;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
QY 935 TCCTCTTCATT 945
DB 3 TCCTCTTCCTT 13
RESULT 2355
ABH5663/C
ID ABH5663 standard; DNA; 13 BP.
XX
XX AC ABH5663;
XX
XX DT 22-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 265640 for detecting SNP TSC0064381.
XX
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
XX Homo sapiens.
XX
XX WO200177384-A2.
XX
XX PD 18-OCT-2001.
XX
XX PF 06-APR-2001; 2001WO-IB000713.
XX
XX PR 07-APR-2000; 2000DE-01019173.
XX
XX PA (EPIG-) EPIGENOMICS AG.
XX
XX PI Olek A, Piepenbrock C, Berlin K;
XX
XX WPI; 2001-657177/75.
XX

XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
XX Claim 1; SEQ ID NO 265640; 29pp + Sequence Listing; German.
XX
XX This invention describes novel oligonucleotide primers or peptide nucleic
XX acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
XX and cytosine methylation status in chemically pretreated genomic DNA. The
XX oligonucleotides are used for diagnosis and/or prognosis of cancer and a
XX range of diseases including immune system, gastrointestinal, respiratory,
XX central nervous system, cardiovascular and metabolic disorders. The
XX oligomers are also used for detecting cell type differentiation. ABC00010
XX -AB09989, ABF0010-ABF9989, ABH0010-ABH9989 and AB10010-AB182073
XX represent the oligomers described in the invention. NOTE: The sequence
XX data for this patent did not form part of the printed specification, but
XX ftp.wipo.int/pub/published_pct_sequences
XX
XX Sequence 13 BP; 7 A; 2 C; 0 G; 4 T; 0 U; 0 Other;
XX
Query Match 12.9%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 1.3e+03;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
QY 947 GTTTAATGTAT 957
DB 11 GTTTAATTTAT 1
RESULT 2356
ABC93439/C
ID ABC93439 standard; DNA; 13 BP.
XX
XX AC ABC93439;
XX
XX DT 21-FEB-2002 (first entry)
XX
XX Oligonucleotide SEQ ID NO 93456 for detecting SNP TSC0023347.
XX
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
XX Homo sapiens.
XX
XX WO200177384-A2.
XX
XX PD 18-OCT-2001.
XX
XX PF 06-APR-2001; 2001WO-IB000713.
XX
XX PR 07-APR-2000; 2000DE-01019173.
XX
XX PA (EPIG-) EPIGENOMICS AG.
XX
XX PI Olek A, Piepenbrock C, Berlin K;
XX
XX WPI; 2001-657177/75.
XX
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
XX Claim 1; SEQ ID NO 93456; 29pp + Sequence Listing; German.
XX
XX This invention describes novel oligonucleotide primers or peptide nucleic
XX acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
XX and cytosine methylation status in chemically pretreated genomic DNA. The
XX oligonucleotides are used for diagnosis and/or prognosis of cancer and a
XX range of diseases including immune system, gastrointestinal, respiratory,
XX central nervous system, cardiovascular and metabolic disorders. The
XX oligomers are also used for detecting cell type differentiation. ABC00010
XX -AB09989, ABF0010-ABF9989, ABH0010-ABH9989 and AB10010-AB182073
XX represent the oligomers described in the invention. NOTE: The sequence
XX data for this patent did not form part of the printed specification, but
XX ftp.wipo.int/pub/published_pct_sequences
XX

CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 13 BP; 7 A; 4 C; 0 G; 1 T; 0 U; 1 Other;

Query Match 12.9%; Score 9.4; DB 1; Length 13;
Best Local Similarity 76.9%; Pred. No. 1.3e+03;
Matches 10; Conservative 1; Mismatches 2; Indels 0; Gaps 0;

QY 946 GGTATATGATTC 958
Db 13 GGTATATGATTC 1
|||||

RESULT 2357
ABC21176/C
ID ABC21176 standard; DNA; 13 BP.
XX AC ABC21176;
XX ABC21176;
DT 20-FEB-2002 (first entry)
XX DE Oligonucleotide SEQ ID NO 21193 for detecting SNP TSC0004276.

XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
XX Homo sapiens.

XX WO200177384-A2.
XX 18-OCT-2001.
XX 06-APR-2001; 2001WO-IB000713.
XX 07-APR-2000; 2000DE-01019173.
XX (EPIG-) EPIGENOMICS AG.

XX Olek A, Piepenbrock C, Berlin K;
XX WPI; 2001-657177/75.
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.

XX Claim 1; SEQ ID NO 21193; 29pp + Sequence Listing; German.
XX This invention describes novel oligonucleotide primers or peptide nucleic
XX acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
XX and cytosine methylation status in chemically pretreated genomic DNA. The
XX oligonucleotides are used for diagnosis and/or prognosis of cancer and a
XX range of diseases including immune system, gastrointestinal, respiratory,
XX central nervous system, cardiovascular and metabolic disorders. The
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XX -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
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XX data for this patent did not form part of the printed specification, but
XX was obtained in electronic format from WIPO at
XX ftp.wipo.int/pub/published_pct_sequences

XX SQ Sequence 13 BP; 4 A; 0 C; 7 G; 2 T; 0 U; 0 Other;
XX Query Match 12.9%; Score 9.4; DB 1; Length 13;
XX Best Local Similarity 90.9%; Pred. No. 1.3e+03;
XX Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 930 ATCCCTCTCT 940
Db 12 ATCCCTCTCT 2
|||||

RESULT 2358
ABC71542
ID ABC71542 standard; DNA; 13 BP.
XX AC ABC71542;
XX 21-FEB-2002 (first entry)
XX DE Oligonucleotide SEQ ID NO 71559 for detecting SNP TSC0018522.

XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
XX Homo sapiens.

XX WO200177384-A2.
XX 18-OCT-2001.
XX 06-APR-2001; 2001WO-IB000713.
XX 07-APR-2000; 2000DE-01019173.
XX (EPIG-) EPIGENOMICS AG.

XX Olek A, Piepenbrock C, Berlin K;
XX WPI; 2001-657177/75.
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.

XX Claim 1; SEQ ID NO 71559; 29pp + Sequence Listing; German.
XX This invention describes novel oligonucleotide primers or peptide nucleic
XX acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
XX and cytosine methylation status in chemically pretreated genomic DNA. The
XX oligonucleotides are used for diagnosis and/or prognosis of cancer and a
XX range of diseases including immune system, gastrointestinal, respiratory,
XX central nervous system, cardiovascular and metabolic disorders. The
XX oligomers are also used for detecting cell type differentiation. ABC00010
XX -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
XX represent the oligomers described in the invention. NOTE: The sequence
XX data for this patent did not form part of the printed specification, but
XX was obtained in electronic format from WIPO at
XX ftp.wipo.int/pub/published_pct_sequences

XX SQ Sequence 13 BP; 1 A; 0 C; 2 G; 9 T; 0 U; 1 Other;
XX Query Match 12.9%; Score 9.4; DB 1; Length 13;
XX Best Local Similarity 90.9%; Pred. No. 1.3e+03;
XX Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 908 TTTTCTTTGCT 918
Db 1 TTTTCTTTGCT 11
|||||

RESULT 2359
ABC21549
ID ABC21549 standard; DNA; 13 BP.
XX AC ABC21549;
XX 20-FEB-2002 (first entry)

PS Claim 1; SEQ ID NO 97986; 29pp + Sequence Listing; German.

XX
CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 13 BP; 3 A; 1 C; 0 G; 9 T; 0 U; 0 Other;

Query Match 12.9%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 1.3e+03; DB 1; Length 13;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 905 TCATTTCCTTT 915
DB 1 TCATTTCCTTT 11

RESULT 2362
ABC98916
ID ABC98916 standard; DNA; 13 BP.

XX
AC ABC98916;
XX
DT 21-FEB-2002 (first entry)

DE Oligonucleotide SEQ ID NO 98933 for detecting SNP TSC0024573.

XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX

OS Homo sapiens.

PN WO200177384-A2.

PD 18-OCT-2001.

PF 06-APR-2001; 2001WO-IB000713.

PR 07-APR-2000; 2000DE-01019173.

PA (EPIG-) EPIGENOMICS AG.

PI Olek A, Piepenbrock C, Berlin K;

XX WPI; 2001-657177/75.

XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.

PS Claim 1; SEQ ID NO 98933; 29pp + Sequence Listing; German.

XX This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at

CC ftp.wipo.int/pub/published_pct_sequences

XX
SQ Sequence 13 BP; 2 A; 0 C; 4 G; 6 T; 0 U; 1 Other;
Query Match 12.9%; Score 9.4; DB 1; Length 13;
Best Local Similarity 76.9%; Pred. No. 1.3e+03; DB 1; Length 13;
Matches 10; Conservative 1; Mismatches 2; Indels 0; Gaps 0;

QY 945 TGTTTAATGTAT 957
DB 1 TGTTTAATGTAT 13

RESULT 2363
ABC48829/C
ID ABC48829 standard; DNA; 13 BP.

XX ABC48829;

XX 21-FEB-2002 (first entry)

XX Oligonucleotide SEQ ID NO 48846 for detecting SNP TSC0013874.

XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.

OS Homo sapiens.

XX WO200177384-A2.

XX 18-OCT-2001.

XX 06-APR-2001; 2001WO-IB000713.

XX 07-APR-2000; 2000DE-01019173.

XX (EPIG-) EPIGENOMICS AG.

XX Olek A, Piepenbrock C, Berlin K;

XX WPI; 2001-657177/75.

XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.

PS Claim 1; SEQ ID NO 48846; 29pp + Sequence Listing; German.

XX This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences

XX Sequence 13 BP; 8 A; 2 C; 0 G; 3 T; 0 U; 0 Other;

Query Match 12.9%; Score 9.4; DB 1; Length 13;
Best Local Similarity 70.9%; Pred. No. 1.3e+03; DB 1; Length 13;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 947 GTTAAATGTAT 957
DB 12 GTTAAATGTAT 2


```
RESULT 2364
ABC75194/c
ID ABC75194 standard; DNA; 13 BP.
XX
XX AC ABC75194;
XX
XX DT 21-FEB-2002 (first entry)
XX
XX DE Oligonucleotide SEQ ID NO 75211 for detecting SNP TSC0019305.
XX
XX KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
XX OS Homo sapiens.
XX
XX PN WO200177384-A2.
XX
XX PD 18-OCT-2001.
XX
XX PF 06-APR-2001; 2001WO-IB000713.
XX
XX PR 07-APR-2000; 2000DE-01019173.
XX
XX PA (EPIG-) EPIGENOMICS AG.
XX
XX PI Olek A, Piepenbrock C, Berlin K;
XX
XX DR WPI; 2001-657177/75.
XX
XX PT Set of oligonucleotides, useful for diagnosis and cell typing, is
XX designed to detect single-nucleotide polymorphisms and cytosine
XX methylation status.
XX
XX PS Claim 1; SEQ ID NO 75211; 29pp + Sequence Listing; German.
XX
XX CC This invention describes novel oligonucleotide primers or peptide nucleic
XX acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
XX and cytosine methylation status in chemically pretreated genomic DNA. The
XX oligonucleotides are used for diagnosis and/or prognosis of cancer and a
XX range of diseases including immune system, gastrointestinal, respiratory,
XX central nervous system, cardiovascular and metabolic disorders. The
XX oligomers are also used for detecting cell type differentiation. ABC00010
XX -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
XX represent the oligomers described in the invention. NOTE: The sequence
XX data for this patent did not form part of the printed specification, but
XX was obtained in electronic format from WIPO at
XX ftp.wipo.int/pub/published_pct_sequences
XX
XX SQ Sequence 13 BP; 8 A; 0 C; 4 G; 1 T; 0 U; 0 Other;
XX
XX Query Match 12.9%; Score 9.4; DB 1; Length 13;
XX Best Local Similarity 90.9%; Pred. No. 1.3e+03;
XX Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
XX
XX QY 925 CTTTATCCCT 935
XX |||||
XX Db 11 CTTTATCCCT 1
XX
XX RESULT 2365
ASC03280/c
ID ABC03280 standard; DNA; 13 BP.
XX
XX AC ABC03280;
XX
XX DT 20-FEB-2002 (first entry)
XX
XX DE Oligonucleotide SEQ ID NO 3271 for detecting SNP TSC0001238.
XX
XX KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
XX OS Homo sapiens.
XX
XX PN WO200177384-A2.
XX
XX PD 18-OCT-2001.
XX
XX PF 06-APR-2001; 2001WO-IB000713.
XX
XX PR 07-APR-2000; 2000DE-01019173.
XX
XX PA (EPIG-) EPIGENOMICS AG.
XX
XX PI Olek A, Piepenbrock C, Berlin K;
XX
XX DR WPI; 2001-657177/75.
XX
XX PT Set of oligonucleotides, useful for diagnosis and cell typing, is
XX designed to detect single-nucleotide polymorphisms and cytosine
XX methylation status.
XX
XX PS Claim 1; SEQ ID NO 75211; 29pp + Sequence Listing; German.
XX
XX CC This invention describes novel oligonucleotide primers or peptide nucleic
XX acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
XX and cytosine methylation status in chemically pretreated genomic DNA. The
XX oligonucleotides are used for diagnosis and/or prognosis of cancer and a
XX range of diseases including immune system, gastrointestinal, respiratory,
XX central nervous system, cardiovascular and metabolic disorders. The
XX oligomers are also used for detecting cell type differentiation. ABC00010
XX -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
XX represent the oligomers described in the invention. NOTE: The sequence
XX data for this patent did not form part of the printed specification, but
XX was obtained in electronic format from WIPO at
XX ftp.wipo.int/pub/published_pct_sequences
XX
XX SQ Sequence 13 BP; 8 A; 0 C; 4 G; 1 T; 0 U; 0 Other;
XX
XX Query Match 12.9%; Score 9.4; DB 1; Length 13;
XX Best Local Similarity 90.9%; Pred. No. 1.3e+03;
XX Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
XX
XX QY 925 CTTTATCCCT 935
XX |||||
XX Db 11 CTTTATCCCT 1
XX
XX RESULT 2366
ABF03952
ID ABF03952 standard; DNA; 13 BP.
XX
XX AC ABF03952;
XX
XX DT 21-FEB-2002 (first entry)
XX
XX DE Oligonucleotide SEQ ID NO 103949 for detecting SNP TSC0025999.
XX
XX KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
XX OS Homo sapiens.
XX
XX PN WO200177384-A2.
XX
XX PD 18-OCT-2001.
XX
XX PF 06-APR-2001; 2001WO-IB000713.
XX
XX PR 07-APR-2000; 2000DE-01019173.
XX
XX PA (EPIG-) EPIGENOMICS AG.
XX
```

PI Olek A, Piepenbrock C, Berlin K;
 DR WPI; 2001-657177/75.
 XX
 XX Set of oligonucleotides, useful for diagnosis and cell typing, is
 PT designed to detect single-nucleotide polymorphisms and cytosine
 PT methylation status.
 XX
 PS Claim 1; SEQ ID NO 103949; 29pp + Sequence Listing; German.
 XX
 XX This invention describes novel oligonucleotide primers or peptide nucleic
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
 CC and cytosine methylation status in chemically pretreated genomic DNA. The
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
 CC range of diseases including immune system, gastrointestinal, respiratory,
 CC central nervous system, cardiovascular and metabolic disorders. The
 CC oligomers are also used for detecting cell type differentiation. ABC00010
 CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
 CC represent the oligomers described in the invention. NOTE: The sequence
 CC data for this patent did not form part of the printed specification, but
 CC was obtained in electronic format from WIPO at
 CC ftp.wipo.int/pub/published_pct_sequences
 XX
 XX Sequence 13 BP; 0 A; 1 C; 4 G; 7 T; 0 U; 1 Other;
 SQ
 Query Match 12.9%; Score 9.4; DB 1; Length 13;
 Best Local Similarity 76.9%; Pred. No. 1.3e+03;
 Matches 10; Conservative 1; Mismatches 2; Indels 0; Gaps 0;
 QY 903 GGTGCTTTCTTT 915
 DB 1 GGTGCTTTCTTT 13
 RESULT 2367
 ID ABF06774 standard; DNA; 13 BP.
 XX
 AC ABF06774;
 XX
 XX 21-FEB-2002 (first entry)
 DT
 XX Oligonucleotide SEQ ID NO 106771 for detecting SNP TSC0026727.
 DE
 XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
 KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
 KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
 XX
 OS Homo sapiens.
 XX
 PN WO200177384-A2.
 XX
 PD 18-OCT-2001.
 XX
 PF 06-APR-2001; 2001WO-IB000713.
 XX
 PR 07-APR-2000; 2000DE-01019173.
 XX
 XX (EPIG-) EPIGENOMICS AG.
 PA
 XX Olek A, Piepenbrock C, Berlin K;
 PI
 XX WPI; 2001-657177/75.
 DR
 XX Set of oligonucleotides, useful for diagnosis and cell typing, is
 PT designed to detect single-nucleotide polymorphisms and cytosine
 PT methylation status.
 XX
 PS Claim 1; SEQ ID NO 106771; 29pp + Sequence Listing; German.
 XX
 XX This invention describes novel oligonucleotide primers or peptide nucleic
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
 CC and cytosine methylation status in chemically pretreated genomic DNA. The
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
 CC range of diseases including immune system, gastrointestinal, respiratory,
 CC central nervous system, cardiovascular and metabolic disorders. The
 CC oligomers are also used for detecting cell type differentiation. ABC00010
 CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
 CC represent the oligomers described in the invention. NOTE: The sequence
 CC data for this patent did not form part of the printed specification, but
 CC was obtained in electronic format from WIPO at
 CC ftp.wipo.int/pub/published_pct_sequences
 XX
 XX Sequence 13 BP; 0 A; 1 C; 4 G; 7 T; 0 U; 1 Other;
 SQ
 Query Match 12.9%; Score 9.4; DB 1; Length 13;
 Best Local Similarity 76.9%; Pred. No. 1.3e+03;
 Matches 10; Conservative 1; Mismatches 2; Indels 0; Gaps 0;
 QY 903 GGTGCTTTCTTT 915
 DB 1 GGTGCTTTCTTT 13
 RESULT 2368
 ID ABF06775/c
 XX
 AC ABF06775;
 XX
 XX 21-FEB-2002 (first entry)
 DT
 XX Oligonucleotide SEQ ID NO 106772 for detecting SNP TSC0026727.
 DE
 XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
 KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
 KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
 XX
 OS Homo sapiens.
 XX
 PN WO200177384-A2.
 XX
 PD 18-OCT-2001.
 XX
 PF 06-APR-2001; 2001WO-IB000713.
 XX
 PR 07-APR-2000; 2000DE-01019173.
 XX
 XX (EPIG-) EPIGENOMICS AG.
 PA
 XX Olek A, Piepenbrock C, Berlin K;
 PI
 XX WPI; 2001-657177/75.
 DR
 XX Set of oligonucleotides, useful for diagnosis and cell typing, is
 PT designed to detect single-nucleotide polymorphisms and cytosine
 PT methylation status.
 XX
 PS Claim 1; SEQ ID NO 106772; 29pp + Sequence Listing; German.
 XX
 XX This invention describes novel oligonucleotide primers or peptide nucleic
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
 CC and cytosine methylation status in chemically pretreated genomic DNA. The
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
 CC range of diseases including immune system, gastrointestinal, respiratory,
 CC central nervous system, cardiovascular and metabolic disorders. The
 CC oligomers are also used for detecting cell type differentiation. ABC00010
 CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
 CC represent the oligomers described in the invention. NOTE: The sequence
 CC data for this patent did not form part of the printed specification, but
 CC was obtained in electronic format from WIPO at
 CC ftp.wipo.int/pub/published_pct_sequences
 XX
 XX Sequence 13 BP; 8 A; 2 C; 0 G; 2 T; 0 U; 1 Other;
 SQ
 Query Match 12.9%; Score 9.4; DB 1; Length 13;
 Best Local Similarity 90.9%; Pred. No. 1.3e+03;
 Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
 QY 945 TGGTTTAATGT 955
 DB 1 TGGTTTAATTT 11
 RESULT 2368
 ID ABF06775 standard; DNA; 13 BP.
 XX
 AC ABF06775;
 XX
 XX 21-FEB-2002 (first entry)
 DT
 XX Oligonucleotide SEQ ID NO 106772 for detecting SNP TSC0026727.
 DE
 XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
 KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
 KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
 XX
 OS Homo sapiens.
 XX
 PN WO200177384-A2.
 XX
 PD 18-OCT-2001.
 XX
 PF 06-APR-2001; 2001WO-IB000713.
 XX
 PR 07-APR-2000; 2000DE-01019173.
 XX
 XX (EPIG-) EPIGENOMICS AG.
 PA
 XX Olek A, Piepenbrock C, Berlin K;
 PI
 XX WPI; 2001-657177/75.
 DR
 XX Set of oligonucleotides, useful for diagnosis and cell typing, is
 PT designed to detect single-nucleotide polymorphisms and cytosine
 PT methylation status.
 XX
 PS Claim 1; SEQ ID NO 106772; 29pp + Sequence Listing; German.
 XX
 XX This invention describes novel oligonucleotide primers or peptide nucleic
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
 CC and cytosine methylation status in chemically pretreated genomic DNA. The
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
 CC range of diseases including immune system, gastrointestinal, respiratory,
 CC central nervous system, cardiovascular and metabolic disorders. The
 CC oligomers are also used for detecting cell type differentiation. ABC00010
 CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
 CC represent the oligomers described in the invention. NOTE: The sequence
 CC data for this patent did not form part of the printed specification, but
 CC was obtained in electronic format from WIPO at
 CC ftp.wipo.int/pub/published_pct_sequences
 XX
 XX Sequence 13 BP; 2 A; 0 C; 2 G; 8 T; 0 U; 1 Other;
 SQ
 Query Match 12.9%; Score 9.4; DB 1; Length 13;
 Best Local Similarity 90.9%; Pred. No. 1.3e+03;
 Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
 QY 945 TGGTTTAATGT 955
 DB 1 TGGTTTAATTT 11

Best Local Similarity 90.9%; Pred. No. 1.3e+03; Mismatches 0; Indels 0; Gaps 0;

Qy 945 TGGTTAATGT 955
Db 13 TGGTTAATTT 3

RESULT 2369

ABC57985/C
ID ABC57985 standard; DNA; 13 BP.

AC ABC57985;

DT 21-FEB-2002 (first entry)

DE Oligonucleotide SEQ ID NO 58002 for detecting SNP TSC0015581.

SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
central nervous system; gastrointestinal; respiratory; immune; metabolic.

OS Homo sapiens.

WO200177384-A2.

PD 18-OCT-2001.

PF 06-APR-2001; 2001WO-IB000713.

PR 07-APR-2000; 2000DE-01019173.

PA (EPIG-) EPIGENOMICS AG.

PI Olek A, Piepenbrock C, Berlin K;

WPI; 2001-657177/75.

Set of oligonucleotides, useful for diagnosis and cell typing, is
designed to detect single-nucleotide polymorphisms and cytosine
methylation status.

Claim 1; SEQ ID NO 58002; 29pp + Sequence Listing; German.

This invention describes novel oligonucleotide primers or peptide nucleic
acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
and cytosine methylation status in chemically pretreated genomic DNA. The
oligonucleotides are used for diagnosis and/or prognosis of cancer and a
range of diseases including immune system, gastrointestinal, respiratory,
central nervous system, cardiovascular and metabolic disorders. The
oligonucleotides are also used for detecting cell type differentiation. ABC00010
-ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
represent the oligomers described in the invention. NOTE: The sequence
data for this patent did not form part of the printed specification, but
was obtained in electronic format from WIPO at
ftp.wipo.int/pub/published_pct_sequences

Sequence 13 BP; 8 A; 3 C; 0 G; 2 T; 0 U; 0 Other;

Query Match 12.9%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 1.3e+03;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 947 GTTTAATGTAT 957
Db 13 GTTTGATGTAT 3

RESULT 2370

ABC08882/C
ID ABC08882 standard; DNA; 13 BP.

AC ABC08882;

XX

DT 20-FEB-2002 (first entry)

DE Oligonucleotide SEQ ID NO 8873 for detecting SNP TSC0002401.

SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
central nervous system; gastrointestinal; respiratory; immune; metabolic.

OS Homo sapiens.

WO200177384-A2.

PD 18-OCT-2001.

PF 06-APR-2001; 2001WO-IB000713.

PR 07-APR-2000; 2000DE-01019173.

PA (EPIG-) EPIGENOMICS AG.

PI Olek A, Piepenbrock C, Berlin K;

WPI; 2001-657177/75.

Set of oligonucleotides, useful for diagnosis and cell typing, is
designed to detect single-nucleotide polymorphisms and cytosine
methylation status.

Claim 1; SEQ ID NO 8873; 29pp + Sequence Listing; German.

This invention describes novel oligonucleotide primers or peptide nucleic
acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
and cytosine methylation status in chemically pretreated genomic DNA. The
oligonucleotides are used for diagnosis and/or prognosis of cancer and a
range of diseases including immune system, gastrointestinal, respiratory,
central nervous system, cardiovascular and metabolic disorders. The
oligonucleotides are also used for detecting cell type differentiation. ABC00010
-ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
represent the oligomers described in the invention. NOTE: The sequence
data for this patent did not form part of the printed specification, but
was obtained in electronic format from WIPO at
ftp.wipo.int/pub/published_pct_sequences

Sequence 13 BP; 7 A; 0 C; 5 G; 1 T; 0 U; 0 Other;

Query Match 12.9%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 1.3e+03;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 924 CTTTATATCCC 934

Db 12 CTTTATATCTC 2

RESULT 2371

ABC11858
ID ABC11858 standard; DNA; 13 BP.

AC ABC11858;

DT 20-FEB-2002 (first entry)

DE Oligonucleotide SEQ ID NO 11865 for detecting SNP TSC0002853.

SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
central nervous system; gastrointestinal; respiratory; immune; metabolic.

OS Homo sapiens.

WO200177384-A2.

XX

Abstract

DE Oligonucleotide SEQ ID NO 63731 for detecting SNP TSC0016828.

Abstract

KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
 KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
 KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
 XX
 OS Homo sapiens.
 PN WO200177384-A2.
 XX
 XX
 PD 18-OCT-2001.
 XX
 XX
 PF 06-APR-2001; 2001WO-IB000713.
 XX
 PR 07-APR-2000; 2000DE-01019173.
 XX
 PA (EPIG-) EPIGENOMICS AG.
 XX
 PI Olek A, Piepenbrock C, Berlin K;
 XX
 DR WPI; 2001-657177/75.
 XX
 XX
 PT Set of oligonucleotides, useful for diagnosis and cell typing, is
 PT designed to detect single-nucleotide polymorphisms and cytosine
 PT methylation status.
 XX
 PS Claim 1; SEQ ID NO 63731; 29pp + Sequence Listing; German.
 XX
 CC This invention describes novel oligonucleotide primers or peptide nucleic
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
 CC and cytosine methylation status in chemically pretreated genomic DNA. The
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
 CC range of diseases including immune system, gastrointestinal, respiratory,
 CC central nervous system, cardiovascular and metabolic disorders. The
 CC oligomers are also used for detecting cell type differentiation. ABC00010
 CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
 CC represent the oligomers described in the invention. NOTE: The sequence
 CC data for this patent did not form part of the printed specification, but
 CC was obtained in electronic format from WIPO at
 CC ftp.wipo.int/pub/published_pct_sequences
 XX
 SQ Sequence 13 BP; 4 A; 0 C; 3 G; 6 T; 0 U; 0 Other;
 XX
 Query Match 12.9%; Score 9.4; DB 1; Length 13;
 Best Local Similarity 90.9%; Pred No. 1.3e+03;
 Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
 QY 946 GTTTAATCTA 956
 Db 2 GTTTAATCTA 12
 |||||
 |||||
 RESULT 2377
 ABC16201/c
 ID ABC16201 standard; DNA; 13 BP.
 XX
 AC ABC16201;
 XX
 DT 20-FEB-2002 (first entry)
 XX
 DE Oligonucleotide SEQ ID NO 16208 for detecting SNP TSC0003545.
 XX
 KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
 KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
 KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
 XX
 OS Homo sapiens.
 XX
 PN WO200177384-A2.
 XX
 PD 18-OCT-2001.
 XX
 PF 06-APR-2001; 2001WO-IB000713.
 XX
 PR 07-APR-2000; 2000DE-01019173.
 XX

XX (EPIG-) EPIGENOMICS AG.
 XX
 FI Olek A, Piepenbrock C, Berlin K;
 XX
 DR WPI; 2001-657177/75.
 XX
 XX
 PT Set of oligonucleotides, useful for diagnosis and cell typing, is
 PT designed to detect single-nucleotide polymorphisms and cytosine
 PT methylation status.
 XX
 PS Claim 1; SEQ ID NO 16208; 29pp + Sequence Listing; German.
 XX
 CC This invention describes novel oligonucleotide primers or peptide nucleic
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
 CC and cytosine methylation status in chemically pretreated genomic DNA. The
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
 CC range of diseases including immune system, gastrointestinal, respiratory,
 CC central nervous system, cardiovascular and metabolic disorders. The
 CC oligomers are also used for detecting cell type differentiation. ABC00010
 CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
 CC represent the oligomers described in the invention. NOTE: The sequence
 CC data for this patent did not form part of the printed specification, but
 CC was obtained in electronic format from WIPO at
 CC ftp.wipo.int/pub/published_pct_sequences
 XX
 SQ Sequence 13 BP; 8 A; 3 C; 0 G; 2 T; 0 U; 0 Other;
 XX
 Query Match 12.9%; Score 9.4; DB 1; Length 13;
 Best Local Similarity 90.9%; Pred No. 1.3e+03;
 Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
 QY 907 ATTTTCTTTGG 917
 Db 12 ATTTTCTTTGG 2
 |||||
 |||||
 RESULT 2378
 ABC66732
 ID ABC66732 standard; DNA; 13 BP.
 XX
 AC ABC66732;
 XX
 DT 21-FEB-2002 (first entry)
 XX
 DE Oligonucleotide SEQ ID NO 66749 for detecting SNP TSC0017501.
 XX
 KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
 KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
 KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
 XX
 OS Homo sapiens.
 XX
 PN WO200177384-A2.
 XX
 PD 18-OCT-2001.
 XX
 PF 06-APR-2001; 2001WO-IB000713.
 XX
 PR 07-APR-2000; 2000DE-01019173.
 XX
 PA (EPIG-) EPIGENOMICS AG.
 XX
 PI Olek A, Piepenbrock C, Berlin K;
 XX
 DR WPI; 2001-657177/75.
 XX
 XX
 PT Set of oligonucleotides, useful for diagnosis and cell typing, is
 PT designed to detect single-nucleotide polymorphisms and cytosine
 PT methylation status.
 XX
 PS Claim 1; SEQ ID NO 66749; 29pp + Sequence Listing; German.
 XX

CC This invention describes novel oligonucleotide primers or peptide nucleic acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP) and cytosine methylation status in chemically pretreated genomic DNA. The oligonucleotides are used for diagnosis and/or prognosis of cancer and a range of diseases including immune system, gastrointestinal, respiratory, central nervous system, cardiovascular and metabolic disorders. The oligomers are also used for detecting cell type differentiation. ABC00010 -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073 represent the oligomers described in the invention. NOTE: The sequence data for this patent did not form part of the printed specification, but was obtained in electronic format from WIPO at ftp.wipo.int/pub/published_pct_sequences

XX SQ Sequence 13 BP; 2 A; 0 C; 2 G; 9 T; 0 U; 0 Other;

Query Match 12.9%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 1.3e+03;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 947 GTTTAATGTTAT 957
Db 2 GTTTAATGTTT 12
|||||

RESULT 2379
ABF26356
ID ABF26356 standard; DNA; 13 BP.
XX AC ABF26356;
XX DT 21-FEB-2002 (first entry)
XX DE Oligonucleotide SEQ ID NO 126353 for detecting SNP TSC0031615.
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX Homo sapiens.
XX OS
XX PN WO200177384-A2.
XX PD 18-OCT-2001.
XX PF 06-APR-2001; 2001WO-IB000713.
XX PR 07-APR-2000; 2000DE-01019173.
XX PA (EPIG-) EPIGENOMICS AG.
XX PI Olek A, Piepenbrock C, Berlin K;
XX WPI; 2001-657177/75.
XX Set of oligonucleotides, useful for diagnosis and cell typing, is designed to detect single-nucleotide polymorphisms and cytosine methylation status.
XX Claim 1; SEQ ID NO 126353; 29pp + Sequence Listing; German.
XX This invention describes novel oligonucleotide primers or peptide nucleic acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP) and cytosine methylation status in chemically pretreated genomic DNA. The oligonucleotides are used for diagnosis and/or prognosis of cancer and a range of diseases including immune system, gastrointestinal, respiratory, central nervous system, cardiovascular and metabolic disorders. The oligomers are also used for detecting cell type differentiation. ABC00010 -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073 represent the oligomers described in the invention. NOTE: The sequence data for this patent did not form part of the printed specification, but was obtained in electronic format from WIPO at ftp.wipo.int/pub/published_pct_sequences

SQ Sequence 13 BP; 3 A; 0 C; 4 G; 6 T; 0 U; 0 Other;

Query Match 12.9%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 1.3e+03;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 946 GGTTTAATGTA 956
Db 1 GGTTTAATTTA 11
|||||

RESULT 2380
ABF31638
ID ABF31638 standard; DNA; 13 BP.
XX AC ABF31638;
XX DT 21-FEB-2002 (first entry)
XX DE Oligonucleotide SEQ ID NO 131635 for detecting SNP TSC0032855.
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX Homo sapiens.
XX OS
XX PN WO200177384-A2.
XX PD 18-OCT-2001.
XX PF 06-APR-2001; 2001WO-IB000713.
XX PR 07-APR-2000; 2000DE-01019173.
XX PA (EPIG-) EPIGENOMICS AG.
XX PI Olek A, Piepenbrock C, Berlin K;
XX WPI; 2001-657177/75.
XX Set of oligonucleotides, useful for diagnosis and cell typing, is designed to detect single-nucleotide polymorphisms and cytosine methylation status.
XX Claim 1; SEQ ID NO 131635; 29pp + Sequence Listing; German.
XX This invention describes novel oligonucleotide primers or peptide nucleic acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP) and cytosine methylation status in chemically pretreated genomic DNA. The oligonucleotides are used for diagnosis and/or prognosis of cancer and a range of diseases including immune system, gastrointestinal, respiratory, central nervous system, cardiovascular and metabolic disorders. The oligomers are also used for detecting cell type differentiation. ABC00010 -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073 represent the oligomers described in the invention. NOTE: The sequence data for this patent did not form part of the printed specification, but was obtained in electronic format from WIPO at ftp.wipo.int/pub/published_pct_sequences

XX SQ Sequence 13 BP; 1 A; 0 C; 3 G; 9 T; 0 U; 0 Other;

Query Match 12.9%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 1.3e+03;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 908 TTTTCTTTGTT 918
Db 1 TTTTCTTTGTT 11
|||||

RESULT 2381
ABF31787/c

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ID ABF31787 standard; DNA; 13 BP.
XX AC ABF31787;
XX DT 21-FEB-2002 (first entry)
XX DE Oligonucleotide SEQ ID NO 131784 for detecting SNP TSC0032896.
XX SN; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX OS Homo sapiens.
XX PN WO200177384-A2.
XX PD 18-OCT-2001.
XX PF 06-APR-2001; 2001WO-IB000713.
XX PR 07-APR-2000; 2000DE-01019173.
XX PA (EPIG-) EPIGENOMICS AG.
XX PI Olek A, Piepenbrock C, Berlin K;
XX WPI; 2001-657177/75.
XX PT Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX PS Claim 1; SEQ ID NO 131784; 29pp + Sequence Listing; German.
XX CC This invention describes novel oligonucleotide primers or peptide nucleic
XX acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
XX and cytosine methylation status in chemically pretreated genomic DNA. The
XX oligonucleotides are used for diagnosis and/or prognosis of cancer and a
XX range of diseases including immune system, gastrointestinal, respiratory,
XX central nervous system, cardiovascular and metabolic disorders. The
XX oligomers are also used for detecting cell type differentiation. ABC00010
XX -ABC9989, ABF00010-ABF9989, ABH00010-ABH9989 and ABI00010-ABI82073
XX represent the oligomers described in the invention. NOTE: The sequence
XX data for this patent did not form part of the printed specification, but
XX was obtained in electronic format from WIPO at
XX ftp.wipo.int/pub/published_pct_sequences
XX SQ Sequence 13 BP; 8 A; 4 C; 0 G; 1 T; 0 U; 0 Other;
XX
XX Query Match 12.9%; Score 9.4; DB 1; Length 13;
XX Best Local Similarity 90.9%; Pred. No. 1.3e+03;
XX Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
XX
QY 940 TTCATTGGTTT 950
DB 12 TTGATTGGTTT 2
|||||
RESULT 2382
ABF36952
ID ABF36952 standard; DNA; 13 BP.
XX AC ABF36952;
XX DT 21-FEB-2002 (first entry)
XX DE Oligonucleotide SEQ ID NO 136949 for detecting SNP TSC0034226.
XX SN; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX OS Homo sapiens.

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XX PN WO200177384-A2.
XX PD 18-OCT-2001.
XX PF 06-APR-2001; 2001WO-IB000713.
XX PR 07-APR-2000; 2000DE-01019173.
XX PA (EPIG-) EPIGENOMICS AG.
XX PI Olek A, Piepenbrock C, Berlin K;
XX WPI; 2001-657177/75.
XX PT Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX PS Claim 1; SEQ ID NO 136949; 29pp + Sequence Listing; German.
XX CC This invention describes novel oligonucleotide primers or peptide nucleic
XX acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
XX and cytosine methylation status in chemically pretreated genomic DNA. The
XX oligonucleotides are used for diagnosis and/or prognosis of cancer and a
XX range of diseases including immune system, gastrointestinal, respiratory,
XX central nervous system, cardiovascular and metabolic disorders. The
XX oligomers are also used for detecting cell type differentiation. ABC00010
XX -ABC9989, ABF00010-ABF9989, ABH00010-ABH9989 and ABI00010-ABI82073
XX represent the oligomers described in the invention. NOTE: The sequence
XX data for this patent did not form part of the printed specification, but
XX was obtained in electronic format from WIPO at
XX ftp.wipo.int/pub/published_pct_sequences
XX SQ Sequence 13 BP; 3 A; 0 C; 3 G; 7 T; 0 U; 0 Other;
XX
XX Query Match 12.9%; Score 9.4; DB 1; Length 13;
XX Best Local Similarity 90.9%; Pred. No. 1.3e+03;
XX Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
XX
QY 947 GTTTAATGTAT 957
DB 2 GTTTAATGTAT 12
|||||
RESULT 2383
ABH18281/C
ID ABH18281 standard; DNA; 13 BP.
XX AC ABH18281;
XX DT 22-FEB-2002 (first entry)
XX DE Oligonucleotide SEQ ID NO 218258 for detecting SNP TSC0053052.
XX SN; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX OS Homo sapiens.
XX PN WO200177384-A2.
XX PD 18-OCT-2001.
XX PF 06-APR-2001; 2001WO-IB000713.
XX PR 07-APR-2000; 2000DE-01019173.
XX PA (EPIG-) EPIGENOMICS AG.
XX PI Olek A, Piepenbrock C, Berlin K;

```


DR WPI; 2001-657177/75.
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
PS Claim 1; SEQ ID NO 218258; 29pp + Sequence Listing; German.
XX
PS This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 13 BP; 7 A; 3 C; 0 G; 3 T; 0 U; 0 Other;
Query Match 12.9%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 1.3e+03;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
QY 913 TTGGTCTTTG 923
DB 11 TTGGTATTTG 1
RESULT 2384
ABH18709
ID ABH18709 standard; DNA; 13 BP.
AC ABH18709;
XX
DT 22-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 218686 for detecting SNP TSC0053188.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
DR WPI; 2001-657177/75.
XX
PT Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
PS Claim 1; SEQ ID NO 218686; 29pp + Sequence Listing; German.
XX
PS This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,

CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 13 BP; 2 A; 6 C; 0 G; 5 T; 0 U; 0 Other;
Query Match 12.9%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 1.3e+03;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
QY 934 CTCCTCTTCAT 944
DB 1 CTCCTCTTCAT 11
RESULT 2385
ABF43684
ID ABF43684 standard; DNA; 13 BP.
XX
AC ABF43684;
XX
DT 21-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 143681 for detecting SNP TSC0036076.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
DR WPI; 2001-657177/75.
XX
PT Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
PS Claim 1; SEQ ID NO 143681; 29pp + Sequence Listing; German.
XX
PS This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 13 BP; 2 A; 1 C; 2 G; 7 T; 0 U; 1 Other;
Query Match 12.9%; Score 9.4; DB 1; Length 13;
Best Local Similarity 76.3%; Pred. No. 1.3e+03;
Matches 10; Conservative 1; Mismatches 2; Indels 0; Gaps 0;

```

QY      920 TTTGCTTTTATC 932
DB      1 TTTGACGTTTATY 13

RESULT 2386
ABH20302/C
ID ABH20302 standard; DNA; 13 BP.
XX
AC ABH20302;
XX
DT 22-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 220279 for detecting SNP TSC0053606.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
WPI; 2001-657177/75.
XX
Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
Claim 1; SEQ ID NO 220279; 29pp + Sequence Listing; German.
XX
This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
Sequence 13 BP; 7 A; 0 C; 2 G; 4 T; 0 U; 0 Other;
XX
This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
Sequence 13 BP; 7 A; 0 C; 2 G; 4 T; 0 U; 0 Other;
XX
Query Match 12.9%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 1.3e+03;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY      948 TTTAATGATC 958
DB      12 TTTAATATATC 2

RESULT 2387
ABF48526/C
ID ABF48526 standard; DNA; 13 BP.
XX
AC ABF48526;
XX
DT 21-FEB-2002 (first entry)
XX

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XX
DE Oligonucleotide SEQ ID NO 148523 for detecting SNP TSC0037485.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
WPI; 2001-657177/75.
XX
Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
Claim 1; SEQ ID NO 148523; 29pp + Sequence Listing; German.
XX
This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
Sequence 13 BP; 3 A; 1 C; 5 G; 4 T; 0 U; 0 Other;
XX
Query Match 12.9%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 1.3e+03;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY      960 CTACCAACGGT 970
DB      11 CTACCAACCGT 1

RESULT 2388
ABF99599/C
ID ABF99599 standard; DNA; 13 BP.
XX
AC ABF99599;
XX
DT 22-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 199596 for detecting SNP TSC0049103.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX

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PF 06-APR-2001; 2001WO-IB000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
DR WPI; 2001-657177/75.
XX
PT Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
PS Claim 1; SEQ ID NO 199596; 29pp + Sequence Listing; German.
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 13 BP; 7 A; 4 C; 1 G; 1 T; 0 U; 0 Other;
Query Match 12.9%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 1.3e+03;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
QY 908 TTTTCTTTGGT 918
DB 11 TTTTCTTTGGT 1
RESULT 2389
ABH26157
ID ABH26157 standard; DNA; 13 BP.
XX
AC ABH26157;
XX
DT 22-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 226134 for detecting SNP TSC0055119.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
DR WPI; 2001-657177/75.
XX
PT Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.

XX
PS Claim 1; SEQ ID NO 226134; 29pp + Sequence Listing; German.
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 13 BP; 2 A; 6 C; 0 G; 5 T; 0 U; 0 Other;
Query Match 12.9%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 1.3e+03;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
QY 924 CCTTTTATCCC 934
DB 1 CCTTTTATCCC 11
RESULT 2390
ABH02534/C
ID ABH02534 standard; DNA; 13 BP.
XX
AC ABH02534;
XX
DT 22-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 202511 for detecting SNP TSC0049776.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
DR WPI; 2001-657177/75.
XX
PT Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
PS Claim 1; SEQ ID NO 202511; 29pp + Sequence Listing; German.
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 13 BP; 2 A; 6 C; 0 G; 5 T; 0 U; 0 Other;
Query Match 12.9%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 1.3e+03;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
QY 924 CCTTTTATCCC 934
DB 1 CCTTTTATCCC 11
RESULT 2390
ABH02534/C
ID ABH02534 standard; DNA; 13 BP.
XX
AC ABH02534;
XX
DT 22-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 202511 for detecting SNP TSC0049776.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
DR WPI; 2001-657177/75.
XX
PT Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.

```

CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 13 BP; 6 A; 0 C; 6 G; 1 T; 0 U; 0 Other;
    Query Match      12.9%; Score 9.4; DB 1; Length 13;
    Best Local Similarity 90.9%; Pred. No. 1.3e+03;
    Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 932 CCTCTCTCTTC 942
Db 12 CTCCTCTCTTC 2

RESULT 2391
ABF53197
ID ABF53197 standard; DNA; 13 BP.
XX
AC ABF53197;
XX
DT 21-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 153194 for detecting SNP TSC0038712.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIC-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
WPI; 2001-657177/75.
XX
Set of oligonucleotides, useful for diagnosis and cell typing, is
designed to detect single-nucleotide polymorphisms and cytosine
methylation status.
XX
Claim 1; SEQ ID NO 153194; 29pp + Sequence Listing; German.
XX
This invention describes novel oligonucleotide primers or peptide nucleic
acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
and cytosine methylation status in chemically pretreated genomic DNA. The
oligonucleotides are used for diagnosis and/or prognosis of cancer and a
range of diseases including immune system, gastrointestinal, respiratory,
central nervous system, cardiovascular and metabolic disorders. The
oligonucleotides are also used for detecting cell type differentiation. ABC00010
-ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABT00010-ABT99989
represent the oligomers described in the invention. NOTE: The sequence
data for this patent did not form part of the printed specification, but
was obtained in electronic format from WIPO at
ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 13 BP; 1 A; 4 C; 0 G; 8 T; 0 U; 0 Other;
XX
This invention describes novel oligonucleotide primers or peptide nucleic
acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
and cytosine methylation status in chemically pretreated genomic DNA. The
oligonucleotides are used for diagnosis and/or prognosis of cancer and a
range of diseases including immune system, gastrointestinal, respiratory,
central nervous system, cardiovascular and metabolic disorders. The
oligonucleotides are also used for detecting cell type differentiation. ABC00010
-ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABT00010-ABT99989
represent the oligomers described in the invention. NOTE: The sequence
data for this patent did not form part of the printed specification, but
was obtained in electronic format from WIPO at
ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 13 BP; 1 A; 4 C; 0 G; 8 T; 0 U; 0 Other;
XX
Query Match      12.9%; Score 9.4; DB 1; Length 13;
XX
Best Local Similarity 90.9%; Pred. No. 1.3e+03;
XX
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 918 TCTTTGCCCTTT 928
Db 2 TCTTTGCCCTTT 12

RESULT 2392
ABF84016/C
ID ABF84016 standard; DNA; 13 BP.
XX
AC ABF84016;
XX
DT 22-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 184013 for detecting SNP TSC0045426.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIC-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
WPI; 2001-657177/75.
XX
Set of oligonucleotides, useful for diagnosis and cell typing, is
designed to detect single-nucleotide polymorphisms and cytosine
methylation status.
XX
Claim 1; SEQ ID NO 184013; 29pp + Sequence Listing; German.
XX
This invention describes novel oligonucleotide primers or peptide nucleic
acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
and cytosine methylation status in chemically pretreated genomic DNA. The
oligonucleotides are used for diagnosis and/or prognosis of cancer and a
range of diseases including immune system, gastrointestinal, respiratory,
central nervous system, cardiovascular and metabolic disorders. The
oligonucleotides are also used for detecting cell type differentiation. ABC00010
-ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABT00010-ABT99989
represent the oligomers described in the invention. NOTE: The sequence
data for this patent did not form part of the printed specification, but
was obtained in electronic format from WIPO at
ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 13 BP; 8 A; 0 C; 1 G; 4 T; 0 U; 0 Other;
XX
Query Match      12.9%; Score 9.4; DB 1; Length 13;
XX
Best Local Similarity 90.9%; Pred. No. 1.3e+03;
XX
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 905 TCATTTTCTTT 915
Db 12 TCATTTTCTTT 2

RESULT 2393
ABH37215/C
ID ABH37215 standard; DNA; 13 BP.
XX
AC ABH37215;
XX
DT 22-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 237192 for detecting SNP TSC0057848.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;

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KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX Homo sapiens.
XX WO200177384-A2.
XX 18-OCT-2001.
XX 06-APR-2001; 2001WO-IB000713.
XX 07-APR-2000; 2000DE-01019173.
XX (EPIG-) EPIGENOMICS AG.
XX Olek A, Piepenbrock C, Berlin K;
XX WPI; 2001-657177/75.
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX Claim 1; SEQ ID NO 237192; 29pp + Sequence Listing; German.
XX This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC9989, ABF00010-ABF9989, ABH00010-ABH9989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
XX SQ Sequence 13 BP; 6 A; 4 C; 0 G; 2 T; 0 U; 1 Other;
Query Match 12.9%; Score 9.4; DB 1; Length 13;
Best Local Similarity 76.9%; Pred. No. 1.3e+03;
Matches 10; Conservative 1; Mismatches 2; Indels 0; Gaps 0;
QY 945 TGGTTTATGTAT 957
DB 13 TGGGTTATTGTAT 1
|||||
RESULT 2394
ABF63911/C
ID ABF63911 standard; DNA; 13 BP.
XX AC ABF63911;
XX DT 22-FEB-2002 (first entry)
XX DE Oligonucleotide SEQ ID NO 163908 for detecting SNP TSC0041159.
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX Homo sapiens.
XX WO200177384-A2.
XX 18-OCT-2001.
XX 06-APR-2001; 2001WO-IB000713.
XX 07-APR-2000; 2000DE-01019173.
XX (EPIG-) EPIGENOMICS AG.
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX Homo sapiens.
XX WO200177384-A2.
XX 18-OCT-2001.
XX 06-APR-2001; 2001WO-IB000713.
XX 07-APR-2000; 2000DE-01019173.
XX (EPIG-) EPIGENOMICS AG.
PI Olek A, Piepenbrock C, Berlin K;
XX WPI; 2001-657177/75.
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX Claim 1; SEQ ID NO 163908; 29pp + Sequence Listing; German.
XX This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC9989, ABF00010-ABF9989, ABH00010-ABH9989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
XX SQ Sequence 13 BP; 8 A; 2 C; 0 G; 3 T; 0 U; 0 Other;
Query Match 12.9%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 1.3e+03;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
QY 943 ATTGGTTTAAAT 953
DB 11 ATTTGTTTAAAT 1
|||||
RESULT 2395
ABF91551/C
ID ABF91551 standard; DNA; 13 BP.
XX AC ABF91551;
XX DT 22-FEB-2002 (first entry)
XX DE Oligonucleotide SEQ ID NO 191548 for detecting SNP TSC0047136.
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX Homo sapiens.
XX WO200177384-A2.
XX 18-OCT-2001.
XX 06-APR-2001; 2001WO-IB000713.
XX 07-APR-2000; 2000DE-01019173.
XX (EPIG-) EPIGENOMICS AG.
PI Olek A, Piepenbrock C, Berlin K;
XX WPI; 2001-657177/75.
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX Claim 1; SEQ ID NO 191548; 29pp + Sequence Listing; German.
XX This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC9989, ABF00010-ABF9989, ABH00010-ABH9989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
XX SQ Sequence 13 BP; 8 A; 2 C; 0 G; 3 T; 0 U; 0 Other;
```

CC and cytosine methylation status in chemically pretreated genomic DNA. The
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
 CC range of diseases including immune system, gastrointestinal, respiratory,
 CC central nervous system, cardiovascular and metabolic disorders. The
 CC oligomers are also used for detecting cell type differentiation. ABC00010
 CC -ABC9989, ABF00010-ABF9989, ABH00010-ABH9989 and ABI00010-ABI82073
 CC represent the oligomers described in the invention. NOTE: The sequence
 CC data for this patent did not form part of the printed specification, but
 CC was obtained in electronic format from WIPO at
 CC ftp.wipo.int/pub/published_pct_sequences

XX SQ Sequence 13 BP; 7 A; 3 C; 0 G; 3 T; 0 U; 0 Other;

Query Match 12.9%; Score 9.4; DB 1; Length 13;
 Best Local Similarity 90.9%; Pred. No. 1.3e+03;
 Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 947 GTTAAATGAT 957

Db 12 GTGTAATGAT 2

RESULT 2396

ABH41756/c
 ID ABH41756 standard; DNA; 13 BP.

XX AC ABH41756;

XX DT 22-FEB-2002 (first entry)

XX DE Oligonucleotide SEQ ID NO 241733 for detecting SNP TSC0058949.

XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
 KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
 KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
 XX OS Homo sapiens.

XX FN WO200177384-A2.

XX PD 18-OCT-2001.

XX PF 06-APR-2001; 2001WO-IB000713.

XX PR 07-APR-2000; 2000DE-01019173.

XX PA (EPIG-) EPIGENOMICS AG.

XX PI Olek A, Piepenbrock C, Berlin K;

XX DR WPI; 2001-657177/75.

XX Set of oligonucleotides, useful for diagnosis and cell typing, is
 PT designed to detect single-nucleotide polymorphisms and cytosine
 PT methylation status.

XX PS Claim 1; SEQ ID NO 241733; 29pp + Sequence Listing; German.

XX This invention describes novel oligonucleotide primers or peptide nucleic
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
 CC and cytosine methylation status in chemically pretreated genomic DNA. The
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
 CC range of diseases including immune system, gastrointestinal, respiratory,
 CC central nervous system, cardiovascular and metabolic disorders. The
 CC oligomers are also used for detecting cell type differentiation. ABC00010
 CC -ABC9989, ABF00010-ABF9989, ABH00010-ABH9989 and ABI00010-ABI82073
 CC represent the oligomers described in the invention. NOTE: The sequence
 CC data for this patent did not form part of the printed specification, but
 CC was obtained in electronic format from WIPO at
 CC ftp.wipo.int/pub/published_pct_sequences

XX SQ Sequence 13 BP; 5 A; 0 C; 8 G; 0 T; 0 U; 0 Other;

Query Match 12.9%; Score 9.4; DB 1; Length 13;
 Best Local Similarity 90.9%; Pred. No. 1.3e+03;
 Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 931 TCCTCTCTCTT 941

Db 13 TCCTCTCTCTT 3

RESULT 2397

ABH46224
 ID ABH46224 standard; DNA; 13 BP.

XX AC ABH46224;

XX DT 22-FEB-2002 (first entry)

XX DE Oligonucleotide SEQ ID NO 246201 for detecting SNP TSC0060161.
 XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
 KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
 KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
 XX OS Homo sapiens.

XX FN WO200177384-A2.

XX PD 18-OCT-2001.

XX PF 06-APR-2001; 2001WO-IB000713.

XX PR 07-APR-2000; 2000DE-01019173.

XX PA (EPIG-) EPIGENOMICS AG.

XX PI Olek A, Piepenbrock C, Berlin K;

XX DR WPI; 2001-657177/75.

XX Set of oligonucleotides, useful for diagnosis and cell typing, is
 PT designed to detect single-nucleotide polymorphisms and cytosine
 PT methylation status.

XX PS Claim 1; SEQ ID NO 246201; 29pp + Sequence Listing; German.

XX This invention describes novel oligonucleotide primers or peptide nucleic
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
 CC and cytosine methylation status in chemically pretreated genomic DNA. The
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
 CC range of diseases including immune system, gastrointestinal, respiratory,
 CC central nervous system, cardiovascular and metabolic disorders. The
 CC oligomers are also used for detecting cell type differentiation. ABC00010
 CC -ABC9989, ABF00010-ABF9989, ABH00010-ABH9989 and ABI00010-ABI82073
 CC represent the oligomers described in the invention. NOTE: The sequence
 CC data for this patent did not form part of the printed specification, but
 CC was obtained in electronic format from WIPO at
 CC ftp.wipo.int/pub/published_pct_sequences

XX SQ Sequence 13 BP; 1 A; 0 C; 2 G; 9 T; 0 U; 1 Other;

Query Match 12.9%; Score 9.4; DB 1; Length 13;
 Best Local Similarity 76.9%; Pred. No. 1.3e+03;
 Matches 10; Conservative 1; Mismatches 2; Indels 0; Gaps 0;

QY 910 TTCTTTGGTCTTT 922

Db 1 TTTTITGGTATTT 13

RESULT 2398

ABH51302/c
 ID ABH51302 standard; DNA; 13 BP.

XX

AC ABH51302;
 XX
 DT 22-FEB-2002 (first entry)
 XX
 DE Oligonucleotide SEQ ID NO 251279 for detecting SNP TSC0061339.
 XX
 KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
 KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
 KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
 XX
 OS Homo sapiens.
 XX
 PN WO200177384-A2.
 XX
 PD 18-OCT-2001.
 XX
 PF 06-APR-2001; 2001WO-IB000713.
 XX
 PR 07-APR-2000; 2000DE-01019173.
 XX
 PA (EPIC-) EPIGENOMICS AG.
 XX
 PI Olek A, Piepenbrock C, Berlin K;
 XX
 DR WPI; 2001-657177/75.
 XX
 XX Set of oligonucleotides, useful for diagnosis and cell typing, is
 PT designed to detect single-nucleotide polymorphisms and cytosine
 PT methylation status.
 XX
 PS Claim 1; SEQ ID NO 251279; 29pp + Sequence Listing; German.
 XX
 CC This invention describes novel oligonucleotide primers or peptide nucleic
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
 CC and cytosine methylation status in chemically pretreated genomic DNA. The
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
 CC range of diseases including immune system, gastrointestinal, respiratory,
 CC central nervous system, cardiovascular and metabolic disorders. The
 CC oligomers are also used for detecting cell type differentiation. ABC00010
 CC -ABC9989, ABP00010-ABF9989, ABH00010-ABH9989 and ABI00010-ABI82073
 CC represent the oligomers described in the invention. NOTE: The sequence
 CC data for this patent did not form part of the printed specification, but
 CC was obtained in electronic format from WIPO at
 CC ftp.wipo.int/pub/published_pct_sequences
 XX
 SQ Sequence 13 BP; 8 A; 0 C; 2 G; 2 T; 0 U; 1 Other;
 Query Match 12.9%; Score 9.4; DB 1; Length 13;
 Best Local Similarity 90.9%; Pred. No. 1.3e+03;
 Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
 QY 920 TTGCTTTTA 930
 DB |||||
 |||||
 11 TTTCCTTTTA 1
 RESULT 2399
 ABH53899/C
 ID ABH53899 standard; DNA; 13 BP.
 XX
 AC ABH53899;
 XX
 DT 22-FEB-2002 (first entry)
 XX
 DE Oligonucleotide SEQ ID NO 253876 for detecting SNP TSC0062622.
 XX
 KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
 KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
 KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
 XX
 OS Homo sapiens.
 XX
 PN WO200177384-A2.
 XX
 PD 18-OCT-2001.
 XX
 PF 06-APR-2001; 2001WO-IB000713.
 XX
 PR 07-APR-2000; 2000DE-01019173.
 XX
 PA (EPIC-) EPIGENOMICS AG.
 XX
 PI Olek A, Piepenbrock C, Berlin K;
 XX
 DR WPI; 2001-657177/75.
 XX
 XX Set of oligonucleotides, useful for diagnosis and cell typing, is
 PT designed to detect single-nucleotide polymorphisms and cytosine
 PT methylation status.
 XX
 PS Claim 1; SEQ ID NO 253876; 29pp + Sequence Listing; German.
 XX
 CC This invention describes novel oligonucleotide primers or peptide nucleic
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
 CC and cytosine methylation status in chemically pretreated genomic DNA. The
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
 CC range of diseases including immune system, gastrointestinal, respiratory,
 CC central nervous system, cardiovascular and metabolic disorders. The
 CC oligomers are also used for detecting cell type differentiation. ABC00010
 CC -ABC9989, ABP00010-ABF9989, ABH00010-ABH9989 and ABI00010-ABI82073
 CC represent the oligomers described in the invention. NOTE: The sequence
 CC data for this patent did not form part of the printed specification, but
 CC was obtained in electronic format from WIPO at
 CC ftp.wipo.int/pub/published_pct_sequences
 XX
 SQ Sequence 13 BP; 6 A; 3 C; 0 G; 3 T; 0 U; 1 Other;
 Query Match 12.9%; Score 9.4; DB 1; Length 13;
 Best Local Similarity 76.9%; Pred. No. 1.3e+03;
 Matches 10; Conservative 1; Mismatches 2; Indels 0; Gaps 0;
 QY 946 GGTTTAATGATC 958
 DB |||||
 |||||
 13 GGTTTATGAATY 1
 RESULT 2400
 ABH57301/C
 ID ABH57301 standard; DNA; 13 BP.
 XX
 AC ABH57301;
 XX
 DT 22-FEB-2002 (first entry)
 XX
 DE Oligonucleotide SEQ ID NO 257278 for detecting SNP TSC0062622.
 XX
 KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
 KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
 KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
 XX
 OS Homo sapiens.
 XX
 PN WO200177384-A2.
 XX
 PD 18-OCT-2001.
 XX
 PF 06-APR-2001; 2001WO-IB000713.
 XX
 PR 07-APR-2000; 2000DE-01019173.
 XX
 PA (EPIC-) EPIGENOMICS AG.
 XX
 PI Olek A, Piepenbrock C, Berlin K;
 XX
 DR WPI; 2001-657177/75.
 XX

AC ABH51302;
 XX
 DT 22-FEB-2002 (first entry)
 XX
 DE Oligonucleotide SEQ ID NO 251279 for detecting SNP TSC0061339.
 XX
 KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
 KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
 KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
 XX
 OS Homo sapiens.
 XX
 PN WO200177384-A2.
 XX
 PD 18-OCT-2001.
 XX
 PF 06-APR-2001; 2001WO-IB000713.
 XX
 PR 07-APR-2000; 2000DE-01019173.
 XX
 PA (EPIC-) EPIGENOMICS AG.
 XX
 PI Olek A, Piepenbrock C, Berlin K;
 XX
 DR WPI; 2001-657177/75.
 XX
 XX Set of oligonucleotides, useful for diagnosis and cell typing, is
 PT designed to detect single-nucleotide polymorphisms and cytosine
 PT methylation status.
 XX
 PS Claim 1; SEQ ID NO 251279; 29pp + Sequence Listing; German.
 XX
 CC This invention describes novel oligonucleotide primers or peptide nucleic
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
 CC and cytosine methylation status in chemically pretreated genomic DNA. The
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
 CC range of diseases including immune system, gastrointestinal, respiratory,
 CC central nervous system, cardiovascular and metabolic disorders. The
 CC oligomers are also used for detecting cell type differentiation. ABC00010
 CC -ABC9989, ABP00010-ABF9989, ABH00010-ABH9989 and ABI00010-ABI82073
 CC represent the oligomers described in the invention. NOTE: The sequence
 CC data for this patent did not form part of the printed specification, but
 CC was obtained in electronic format from WIPO at
 CC ftp.wipo.int/pub/published_pct_sequences
 XX
 SQ Sequence 13 BP; 8 A; 0 C; 2 G; 2 T; 0 U; 1 Other;
 Query Match 12.9%; Score 9.4; DB 1; Length 13;
 Best Local Similarity 90.9%; Pred. No. 1.3e+03;
 Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
 QY 920 TTGCTTTTA 930
 DB |||||
 |||||
 11 TTTCCTTTTA 1
 RESULT 2399
 ABH53899/C
 ID ABH53899 standard; DNA; 13 BP.
 XX
 AC ABH53899;
 XX
 DT 22-FEB-2002 (first entry)
 XX
 DE Oligonucleotide SEQ ID NO 253876 for detecting SNP TSC0061899.
 XX
 KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
 KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
 KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
 XX
 OS Homo sapiens.
 XX
 PN WO200177384-A2.
 XX

PT Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.

XX PS Claim 1; SEQ ID NO 257278; 29pp + Sequence Listing; German.

XX CC This invention describes novel oligonucleotide primers or peptide nucleic
XX acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
XX and cytosine methylation status in chemically pretreated genomic DNA. The
XX oligonucleotides are used for diagnosis and/or prognosis of cancer and a
XX range of diseases including immune system, gastrointestinal, respiratory,
XX central nervous system, cardiovascular and metabolic disorders. The
XX oligomers are also used for detecting cell type differentiation. ABC00010
XX -ABG99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
XX represent the oligomers described in the invention. NOTE: The sequence
XX data for this patent did not form part of the printed specification, but
XX was obtained in electronic format from WIPO at
XX ftp.wipo.int/pub/published_pct_sequences

XX SQ Sequence 13 BP; 8 A; 2 C; 0 G; 2 T; 0 U; 1 Other;

Query Match 12.9%; Score 9.4; DB 1; Length 13;
Best Local Similarity 76.9%; Pred. No. 1.3e+03;
Matches 10; Conservative 1; Mismatches 2; Indels 0; Gaps 0;

QY 945 TGGTTTAATGTAT 957

Db 13 TGGTTTAATGTAT 1

RESULT 2401

ID ABH65662 standard; DNA; 13 BP.

AC ABH65662;

DT 22-FEB-2002 (first entry)

DE Oligonucleotide SEQ ID NO 265639 for detecting SNP TSC0064381.

XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX central nervous system; gastrointestinal; respiratory; immune; metabolic.

XX OS Homo sapiens.

XX PN WO200177384-A2.

XX PD 18-OCT-2001.

XX PP 06-APR-2001; 2001WO-IB000713.

XX PR 07-APR-2000; 2000DE-01019173.

XX PA (EPIG-) EPIGENOMICS AG.

XX PI Olek A, Piepenbrock C, Berlin K;

XX DR WPI; 2001-657177/75.

XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.

XX PS Claim 1; SEQ ID NO 265639; 29pp + Sequence Listing; German.

XX CC This invention describes novel oligonucleotide primers or peptide nucleic
XX acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
XX and cytosine methylation status in chemically pretreated genomic DNA. The
XX oligonucleotides are used for diagnosis and/or prognosis of cancer and a
XX range of diseases including immune system, gastrointestinal, respiratory,
XX central nervous system, cardiovascular and metabolic disorders. The
XX oligomers are also used for detecting cell type differentiation. ABC00010

CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences

XX SQ Sequence 13 BP; 4 A; 0 C; 2 G; 7 T; 0 U; 0 Other;

Query Match 12.9%; Score 9.4; DB 1; Length 13;
Best Local Similarity 30.3%; Pred. No. 1.3e+03;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 947 GTTAAATGTAT 957

Db 3 GTTAAATTTAT 13

RESULT 2402

ABC92838

ID ABC92838 standard; DNA; 13 BP.

AC ABC92838;

DT 21-FEB-2002 (first entry)

DE Oligonucleotide SEQ ID NO 92855 for detecting SNP TSC0023219.

XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX central nervous system; gastrointestinal; respiratory; immune; metabolic.

XX OS Homo sapiens.

XX PN WO200177384-A2.

XX PD 18-OCT-2001.

XX PF 06-APR-2001; 2001WO-IB000713.

XX PR 07-APR-2000; 2000DE-01019173.

XX PA (EPIG-) EPIGENOMICS AG.

XX PI Olek A, Piepenbrock C, Berlin K;

XX DR WPI; 2001-657177/75.

XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.

XX PS Claim 1; SEQ ID NO 92855; 29pp + Sequence Listing; German.

XX CC This invention describes novel oligonucleotide primers or peptide nucleic
XX acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
XX and cytosine methylation status in chemically pretreated genomic DNA. The
XX oligonucleotides are used for diagnosis and/or prognosis of cancer and a
XX range of diseases including immune system, gastrointestinal, respiratory,
XX central nervous system, cardiovascular and metabolic disorders. The
XX oligomers are also used for detecting cell type differentiation. ABC00010
XX -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
XX represent the oligomers described in the invention. NOTE: The sequence
XX data for this patent did not form part of the printed specification, but
XX was obtained in electronic format from WIPO at
XX ftp.wipo.int/pub/published_pct_sequences

XX SQ Sequence 13 BP; 2 A; 0 C; 4 G; 7 T; 0 U; 0 Other;

Query Match 12.9%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 1.3e+03;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 907 ATTTCCTTGG 917


```

Db          2 ATTTGTTGG 12
          ||||| |||||
RESULT 2403
ABC68201
ID ABC68201 standard; DNA; 13 BP.
XX
AC ABC68201;
XX
DT 21-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 68218 for detecting SNP TSC0017803.
XX
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
PI WPI; 2001-657177/75.
XX
PT Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
PS Claim 1; SEQ ID NO 68218; 29pp + Sequence Listing; German.
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC9989, ABF00010-ABF9989, ABH00010-ABH9989 and AB100010-AB182073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 13 BP; 2 A; 4 C; 0 G; 7 T; 0 U; 0 Other;
XX
Query Match 12.9%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 1.3e-03;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 935 TCCTCTTCATT 945
Db 3 TCCTCTACATT 13
          ||||| |||||
RESULT 2404
ABC22206
ID ABC22206 standard; DNA; 13 BP.
XX
AC ABC22206;
XX
DT 20-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 22223 for detecting SNP TSC0004408.
XX
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
PI WPI; 2001-657177/75.
XX
PT Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
PS Claim 1; SEQ ID NO 68218; 29pp + Sequence Listing; German.
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC9989, ABF00010-ABF9989, ABH00010-ABH9989 and AB100010-AB182073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 13 BP; 2 A; 4 C; 0 G; 7 T; 0 U; 0 Other;
XX
Query Match 12.9%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 1.3e-03;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 946 GGTTTAATGTA 956
Db 1 GGTAAATGTA 11
          ||||| |||||
RESULT 2405
ABC97648
ID ABC97648 standard; DNA; 13 BP.
XX
AC ABC97648;
XX
DT 21-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 97665 for detecting SNP TSC0024259.
XX
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB000713.
XX

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PR 07-APR-2000; 2000DE-01019173.
XX (EPIC-) EPIGENOMICS AG.
PA Olek A, Piepenbrock C, Berlin K;
PI WPI; 2001-657177/75.
XX
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
XX Claim 1; SEQ ID NO 97665; 29pp + Sequence Listing; German.
XX
XX This invention describes novel oligonucleotide primers or peptide nucleic
XX acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
XX and cytosine methylation status in chemically pretreated genomic DNA. The
XX oligonucleotides are used for diagnosis and/or prognosis of cancer and a
XX range of diseases including immune system, gastrointestinal, respiratory,
XX central nervous system, cardiovascular and metabolic disorders. The
XX oligomers are also used for detecting cell type differentiation. ABC00010
XX -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
XX represent the oligomers described in the invention. NOTE: The sequence
XX data for this patent did not form part of the printed specification, but
XX was obtained in electronic format from WIPO at
XX ftp.wipo.int/pub/published_pct_sequences
XX
XX Sequence 13 BP; 9 A; 0 C; 4 G; 0 T; 0 U; 0 Other;
XX
XX Query Match 12.9%; Score 9.4; DB 1; Length 13;
XX Best Local Similarity 90.9%; Pred. NO. 1.3e+03;
XX Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
XX
QY 945 TGGTTTAATGT 955
DB 1 TGGTTTAATAT 11
XX
XX RESULT 2406
XX ABC76020/C
XX ID ABC76020 standard; DNA; 13 BP.
XX AC ABC76020;
XX
XX 21-FEB-2002 (first entry)
XX
XX Oligonucleotide SEQ ID NO 76037 for detecting SNP TSC0019473.
XX
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
XX Homo sapiens.
XX
XX WO200177384-A2.
XX
XX 18-OCT-2001.
XX
XX 06-APR-2001; 2001WO-IB000713.
XX
XX Oligonucleotide SEQ ID NO 76037 for detecting SNP TSC0019473.
XX
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
XX Homo sapiens.
XX
XX WO200177384-A2.
XX
XX 18-OCT-2001.
XX
XX 06-APR-2001; 2001WO-IB000713.
XX
XX 07-APR-2000; 2000DE-01019173.
XX
XX (EPIC-) EPIGENOMICS AG.
XX
XX Olek A, Piepenbrock C, Berlin K;
XX
XX WPI; 2001-657177/75.
XX
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
XX Claim 1; SEQ ID NO 76037; 29pp + Sequence Listing; German.
XX
XX This invention describes novel oligonucleotide primers or peptide nucleic
XX acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
XX and cytosine methylation status in chemically pretreated genomic DNA. The
XX oligonucleotides are used for diagnosis and/or prognosis of cancer and a
XX range of diseases including immune system, gastrointestinal, respiratory,
XX central nervous system, cardiovascular and metabolic disorders. The
XX oligomers are also used for detecting cell type differentiation. ABC00010
XX -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
XX represent the oligomers described in the invention. NOTE: The sequence
XX data for this patent did not form part of the printed specification, but
XX was obtained in electronic format from WIPO at
XX ftp.wipo.int/pub/published_pct_sequences
XX
XX Sequence 13 BP; 9 A; 0 C; 4 G; 0 T; 0 U; 0 Other;
XX
XX Query Match 12.9%; Score 9.4; DB 1; Length 13;
XX Best Local Similarity 90.9%; Pred. NO. 1.3e+03;
XX Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
XX
QY 905 TCATTTTCTTT 915
DB 12 TCATTTTCTTT 2
XX
XX RESULT 2407
XX ABF01246/C
XX ID ABF01246 standard; DNA; 13 BP.
XX AC ABF01246;
XX
XX 21-FEB-2002 (first entry)
XX
XX Oligonucleotide SEQ ID NO 101243 for detecting SNP TSC0025200.
XX
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
XX Homo sapiens.
XX
XX WO200177384-A2.
XX
XX 18-OCT-2001.
XX
XX 06-APR-2001; 2001WO-IB000713.
XX
XX 07-APR-2000; 2000DE-01019173.
XX
XX (EPIC-) EPIGENOMICS AG.
XX
XX Olek A, Piepenbrock C, Berlin K;
XX
XX WPI; 2001-657177/75.
XX
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
XX Claim 1; SEQ ID NO 101243; 29pp + Sequence Listing; German.
XX
XX This invention describes novel oligonucleotide primers or peptide nucleic
XX acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
XX and cytosine methylation status in chemically pretreated genomic DNA. The
XX oligonucleotides are used for diagnosis and/or prognosis of cancer and a
XX range of diseases including immune system, gastrointestinal, respiratory,
XX central nervous system, cardiovascular and metabolic disorders. The
XX oligomers are also used for detecting cell type differentiation. ABC00010
XX -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
XX represent the oligomers described in the invention. NOTE: The sequence
XX data for this patent did not form part of the printed specification, but
XX was obtained in electronic format from WIPO at
XX ftp.wipo.int/pub/published_pct_sequences
XX
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XX SQ Sequence 13 BP; 4 A; 0 C; 8 G; 1 T; 0 U; 0 Other;
Query Match 12.9%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 1.3e+03;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 929 TATCCCTCCTC 939
Db 12 TCTCCCTCCTC 2

RESULT 2408
ABC76272/c
ID ABC76272 standard; DNA; 13 BP.
XX AC ABC76272;
XX DT 21-FEB-2002 (first entry)
XX DE Oligonucleotide SEQ ID NO 76289 for detecting SNP TSC0019520.
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX OS Homo sapiens.
XX FN WO200177384-A2.
XX PD 18-OCT-2001.
XX PF 06-APR-2001; 2001WO-IB000713.
XX PR 07-APR-2000; 2000DE-01019173.
XX PA (EPIG-) EPIGENOMICS AG.
XX PI Olek A, Piepenbrock C, Berlin K;
XX WPI; 2001-657177/75.
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
XX designed to detect single-nucleotide polymorphisms and cytosine
XX methylation status.
XX Claim 1; SEQ ID NO 76289; 29pp + Sequence Listing; German.
XX This invention describes novel oligonucleotide primers or peptide nucleic
XX acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
XX and cytosine methylation status in chemically pretreated genomic DNA. The
XX oligonucleotides are used for diagnosis and/or prognosis of cancer and a
XX range of diseases including immune system, gastrointestinal, respiratory,
XX central nervous system, cardiovascular and metabolic disorders. The
XX oligomers are also used for detecting cell type differentiation. ABC00010
XX -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
XX represent the oligomers described in the invention. NOTE: The sequence
XX data for this patent did not form part of the printed specification, but
XX was obtained in electronic format from WIPO at
XX ftp.wipo.int/pub/published_pct_sequences
XX SQ Sequence 13 BP; 6 A; 0 C; 4 G; 3 T; 0 U; 0 Other;
Query Match 12.9%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 1.3e+03;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 925 CTTTATCCCT 935
Db 13 CATTTATCCCT 3

RESULT 2409
ABC76825/c
ID ABC76825 standard; DNA; 13 BP.
XX AC ABC76825;
XX DT 21-FEB-2002 (first entry)
XX DE Oligonucleotide SEQ ID NO 76842 for detecting SNP TSC0019532.
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX OS Homo sapiens.
XX FN WO200177384-A2.
XX PD 18-OCT-2001.
XX PF 06-APR-2001; 2001WO-IB000713.
XX PR 07-APR-2000; 2000DE-01019173.
XX PA (EPIG-) EPIGENOMICS AG.
XX PI Olek A, Piepenbrock C, Berlin K;
XX WPI; 2001-657177/75.
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
XX designed to detect single-nucleotide polymorphisms and cytosine
XX methylation status.
XX Claim 1; SEQ ID NO 51423; 29pp + Sequence Listing; German.
XX This invention describes novel oligonucleotide primers or peptide nucleic
XX acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
XX and cytosine methylation status in chemically pretreated genomic DNA. The
XX oligonucleotides are used for diagnosis and/or prognosis of cancer and a
XX range of diseases including immune system, gastrointestinal, respiratory,
XX central nervous system, cardiovascular and metabolic disorders. The
XX oligomers are also used for detecting cell type differentiation. ABC00010
XX -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
XX represent the oligomers described in the invention. NOTE: The sequence
XX data for this patent did not form part of the printed specification, but
XX was obtained in electronic format from WIPO at
XX ftp.wipo.int/pub/published_pct_sequences
XX SQ Sequence 13 BP; 2 A; 0 C; 5 G; 6 T; 0 U; 0 Other;
Query Match 12.9%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 1.3e+03;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 943 ATTGGTTTAAAT 953
Db 3 ATTGGTTTAAAT 13

RESULT 2410
ABC76825/c
ID ABC76825 standard; DNA; 13 BP.
XX AC ABC76825;
XX DT 21-FEB-2002 (first entry)
XX DE Oligonucleotide SEQ ID NO 76842 for detecting SNP TSC0019532.
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX OS Homo sapiens.
XX FN WO200177384-A2.
XX PD 18-OCT-2001.
XX PF 06-APR-2001; 2001WO-IB000713.
XX PR 07-APR-2000; 2000DE-01019173.
XX PA (EPIG-) EPIGENOMICS AG.
XX PI Olek A, Piepenbrock C, Berlin K;
XX WPI; 2001-657177/75.
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
XX designed to detect single-nucleotide polymorphisms and cytosine
XX methylation status.
XX Claim 1; SEQ ID NO 51423; 29pp + Sequence Listing; German.
XX This invention describes novel oligonucleotide primers or peptide nucleic
XX acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
XX and cytosine methylation status in chemically pretreated genomic DNA. The
XX oligonucleotides are used for diagnosis and/or prognosis of cancer and a
XX range of diseases including immune system, gastrointestinal, respiratory,
XX central nervous system, cardiovascular and metabolic disorders. The
XX oligomers are also used for detecting cell type differentiation. ABC00010
XX -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
XX represent the oligomers described in the invention. NOTE: The sequence
XX data for this patent did not form part of the printed specification, but
XX was obtained in electronic format from WIPO at
XX ftp.wipo.int/pub/published_pct_sequences
```


CC range of diseases including immune system, gastrointestinal, respiratory, central nervous system, cardiovascular and metabolic disorders. The oligomers are also used for detecting cell type differentiation. ABC00010 -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073 represent the oligomers described in the invention. NOTE: The sequence data for this patent did not form part of the printed specification, but was obtained in electronic format from WIPO at ftp.wipo.int/pub/published_pct_sequences

XX Sequence 13 BP; 8 A; 3 C; 0 G; 1 T; 0 U; 1 Other;

Query Match 12.9%; Score 9.4; DB 1; Length 13;
Best Local Similarity 76.9%; Pred. No. 1.3e+03;
Matches 10; Conservative 1; Mismatches 2; Indels 0; Gaps 0;

QY 903 GGTCATTTCTTT 915
DB 13 GGTGATTTT 1

RESULT 2413
ID ABC29149/c
XX ABC29149 standard; DNA; 13 BP.
XX AC ABC29149;
XX DT 20-FEB-2002 (first entry)
XX DE Oligonucleotide SEQ ID NO 29166 for detecting SNP TSC0008537.
XX KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX OS Homo sapiens.
XX PN WO200177384-A2.
XX PD 18-OCT-2001.
XX PF 06-APR-2001; 2001WO-IB000713.
XX PR 07-APR-2000; 2000DE-01019173.
XX PA (EPIG-) EPIGENOMICS AG.
XX PI Olek A, Piepenbrock C, Berlin K;
XX WPI; 2001-657177/75.
XX DR Set of oligonucleotides, useful for diagnosis and cell typing, is designed to detect single-nucleotide polymorphisms and cytosine methylation status.
XX PS Claim 1; SEQ ID NO 29166; 29pp + Sequence Listing; German.
XX CC This invention describes novel oligonucleotide primers or peptide nucleic acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP) and cytosine methylation status in chemically pretreated genomic DNA. The oligonucleotides are used for diagnosis and/or prognosis of cancer and a range of diseases including immune system, gastrointestinal, respiratory, central nervous system, cardiovascular and metabolic disorders. The oligomers are also used for detecting cell type differentiation. ABC00010 -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073 represent the oligomers described in the invention. NOTE: The sequence data for this patent did not form part of the printed specification, but was obtained in electronic format from WIPO at ftp.wipo.int/pub/published_pct_sequences

XX Sequence 13 BP; 6 A; 1 C; 0 G; 6 T; 0 U; 0 Other;

Query Match 12.9%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 1.3e+03;

QY 928 TTATCCTCTCT 938
DB 2 TTATCCTCTCT 12

RESULT 2415
ID ABC79371/c
XX ABC79371 standard; DNA; 13 BP.
XX AC ABC79371;
XX XX

Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 943 ATTGGTTTAAAT 953
DB 12 ATTAGTTTAAAT 2

RESULT 2414
ID ABC54213
XX ABC54213 standard; DNA; 13 BP.
XX AC ABC54213;
XX DT 21-FEB-2002 (first entry)
XX DE Oligonucleotide SEQ ID NO 54230 for detecting SNP TSC0014889.
XX KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX OS Homo sapiens.
XX PN WO200177384-A2.
XX PD 18-OCT-2001.
XX PF 06-APR-2001; 2001WO-IB000713.
XX PR 07-APR-2000; 2000DE-01019173.
XX PA (EPIG-) EPIGENOMICS AG.
XX PI Olek A, Piepenbrock C, Berlin K;
XX WPI; 2001-657177/75.
XX DR Set of oligonucleotides, useful for diagnosis and cell typing, is designed to detect single-nucleotide polymorphisms and cytosine methylation status.
XX PS Claim 1; SEQ ID NO 54230; 29pp + Sequence Listing; German.
XX CC This invention describes novel oligonucleotide primers or peptide nucleic acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP) and cytosine methylation status in chemically pretreated genomic DNA. The oligonucleotides are used for diagnosis and/or prognosis of cancer and a range of diseases including immune system, gastrointestinal, respiratory, central nervous system, cardiovascular and metabolic disorders. The oligomers are also used for detecting cell type differentiation. ABC00010 -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073 represent the oligomers described in the invention. NOTE: The sequence data for this patent did not form part of the printed specification, but was obtained in electronic format from WIPO at ftp.wipo.int/pub/published_pct_sequences

XX Sequence 13 BP; 1 A; 4 C; 0 G; 7 T; 0 U; 1 Other;

Query Match 12.9%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 1.3e+03;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 928 TTATCCTCTCT 938
DB 2 TTATCCTCTCT 12

RESULT 2415
ID ABC79371/c
XX ABC79371 standard; DNA; 13 BP.
XX AC ABC79371;
XX XX

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DT 21-FEB-2002 (first entry)
DE Oligonucleotide SEQ ID NO 79388 for detecting SNP TSC0020177.
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX Homo sapiens.
XX WO200177384-A2.
XX 18-OCT-2001.
XX 06-APR-2001; 2001WO-IB000713.
XX 07-APR-2000; 2000DE-01019173.
XX (EPIG-) EPIGENOMICS AG.
XX Olek A, Piepenbrock C, Berlin K;
XX WPI; 2001-657177/75.
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX Claim 1; SEQ ID NO 79388; 29pp + Sequence Listing; German.
XX This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
XX Sequence 13 BP; 8 A; 5 C; 0 G; 0 T; 0 U; 0 Other;
XX
XX Query Match 12.9%; Score 9.4; DB 1; Length 13;
XX Best Local Similarity 90.9%; Pred. No. 1.3e+03;
XX Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
XX
XX 913 TTTGCTCTTG 923
XX 11 TTTGCTCTTG 1
XX
XX RESULT 2416
XX ABF06323/c
XX ID ABF06323 standard; DNA; 13 BP.
XX AC ABF06323;
XX 21-FEB-2002 (first entry)
XX Oligonucleotide SEQ ID NO 106320 for detecting SNP TSC0026646.
XX
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX Homo sapiens.
XX WO200177384-A2.
XX 18-OCT-2001.

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XX 06-APR-2001; 2001WO-IB000713.
XX 07-APR-2000; 2000DE-01019173.
XX (EPIG-) EPIGENOMICS AG.
XX Olek A, Piepenbrock C, Berlin K;
XX WPI; 2001-657177/75.
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX Claim 1; SEQ ID NO 106320; 29pp + Sequence Listing; German.
XX This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
XX Sequence 13 BP; 9 A; 2 C; 0 G; 2 T; 0 U; 0 Other;
XX
XX Query Match 12.9%; Score 9.4; DB 1; Length 13;
XX Best Local Similarity 90.9%; Pred. No. 1.3e+03;
XX Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
XX
XX 908 TTTTCTTTGGT 918
XX 13 TTTTATTGGT 3
XX
XX RESULT 2417
XX ABC10379
XX ID ABC10379 standard; DNA; 13 BP.
XX AC ABC10379;
XX 20-FEB-2002 (first entry)
XX Oligonucleotide SEQ ID NO 10370 for detecting SNP TSC0002630.
XX
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX Homo sapiens.
XX WO200177384-A2.
XX 18-OCT-2001.
XX 06-APR-2001; 2001WO-IB000713.
XX 07-APR-2000; 2000DE-01019173.
XX (EPIG-) EPIGENOMICS AG.
XX Olek A, Piepenbrock C, Berlin K;
XX WPI; 2001-657177/75.
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.

```


KW	peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW	central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX	
OS	homo sapiens.
XX	
PN	WC200177384-A2.
XX	
PD	18-OCT-2001.
XX	
PF	06-APR-2001; 2001WO-IB0000713.
XX	
PR	07-APR-2000; 2000DE-01019173.
XX	
PA	(EPIG-) EPIGENOMICS AG.
XX	
PI	Olek A, Piepenbrock C, Berlin K;
XX	
DR	WPI; 2001-657177/75.
XX	
PT	Set of oligonucleotides, useful for diagnosis and cell typing, is
PT	designed to detect single-nucleotide polymorphisms and cytosine
PT	methylation status.
XX	
PS	Claim 1; SEQ ID NO 124036; 29pp + Sequence Listing; German.
XX	
CC	This invention describes novel oligonucleotide primers or peptide nucleic
CC	acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC	and cytosine methylation status in chemically pretreated genomic DNA. The
CC	oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC	range of diseases including immune system, gastrointestinal, respiratory,
CC	central nervous system, cardiovascular and metabolic disorders. The
CC	oligomers are also used for detecting cell type differentiation. ABC00010
CC	-ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABT00010-ABT92073
CC	represent the oligomers described in the invention. NOTE: The sequence
CC	data for this patent did not form part of the printed specification, but
CC	was obtained in electronic format from WIPO at
CC	ftp.wipo.int/pub/published_pct_sequences

XX	ABF25461;	
XX	AC	
XX	XX	
XX	DT	21-FEB-2002 (first entry)
XX	XX	
DE	XX	Oligonucleotide SEQ ID NO 125458 for detecting SNP TSC0031370.
XX	XX	SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX	KW	peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW	KW	central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX	XX	
OS	OS	Homo sapiens.
XX	XX	
PN	XX	WO200177384-A2.
XX	XX	
PD	XX	18-OCT-2001.
XX	XX	
XX	XX	06-APR-2001; 2001WO-IB000713..
XX	XX	
PR	XX	07-APR-2000; 2000DE-01019173.
XX	XX	

PA (EPiG-) EPIGENOMICS AG.
 XX Olek A, Piepenbrock C, Berlin K;
 XX WPI; 2001-657177/75.
 XX Set of oligonucleotides, useful for diagnosis and cell typing, is
 PT designed to detect single-nucleotide polymorphisms and cytosine
 PT methylation status.
 PS Claim 1; SEQ ID NO 125458; 29pp + Sequence Listing; German.
 XX
 XX This invention describes novel oligonucleotide primers or peptide nucleic
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
 CC and cytosine methylation status in chemically pretreated genomic DNA. The
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
 CC range of diseases including immune system, gastrointestinal, respiratory,
 CC central nervous system, cardiovascular and metabolic disorders. The
 CC oligomers are also used for detecting cell type differentiation. ABC00010
 CC -ABC9989, ABF00010-ABF9989, ABH00010-ABH9989 and ABT00010-ABT82073
 CC represent the oligomers described in the invention. NOTE: The sequence
 CC data for this patent did not form part of the printed specification, but
 CC was obtained in electronic format from WIPO at
 CC ftp.wipo.int/pub/published_pct_sequences
 XX
 XX Sequence 13 BP; 7 A; 2 C; 0 G; 4 T; 0 U; 0 Other;
 SQ Query Match 12.9%; Score 9.4; DB 1; Length 13;
 Best Local Similarity 90.9%; Pred. No. 1.3e+03;
 Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
 QY 943 ATTGGTTAAAT 953
 DB |||||
 12 ATTGGTTAAAT 2
 RESULT 2423
 ABF32542/c
 ID ABF32542 standard; DNA; 13 BP.
 XX
 XX ABF32542;
 XX 21-FEB-2002 (first entry)
 XX Oligonucleotide SEQ ID NO 132539 for detecting SNP TSC0033059.
 XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
 KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
 KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
 XX Homo sapiens.
 XX WO200177384-A2.
 XX 18-OCT-2001.
 XX 06-APR-2001; 2001WO-IB000713.
 XX 07-APR-2000; 2000DE-01019173.
 XX (EPiG-) EPIGENOMICS AG.
 XX Olek A, Piepenbrock C, Berlin K;
 XX WPI; 2001-657177/75.
 XX Set of oligonucleotides, useful for diagnosis and cell typing, is
 PT designed to detect single-nucleotide polymorphisms and cytosine
 PT methylation status.
 PS Claim 1; SEQ ID NO 132539; 29pp + Sequence Listing; German.
 XX
 XX This invention describes novel oligonucleotide primers or peptide nucleic
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
 CC and cytosine methylation status in chemically pretreated genomic DNA. The
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
 CC range of diseases including immune system, gastrointestinal, respiratory,
 CC central nervous system, cardiovascular and metabolic disorders. The
 CC oligomers are also used for detecting cell type differentiation. ABC00010
 CC -ABC9989, ABF00010-ABF9989, ABH00010-ABH9989 and ABT00010-ABT82073
 CC represent the oligomers described in the invention. NOTE: The sequence
 CC data for this patent did not form part of the printed specification, but
 CC was obtained in electronic format from WIPO at
 CC ftp.wipo.int/pub/published_pct_sequences
 XX
 XX Sequence 13 BP; 7 A; 2 C; 0 G; 4 T; 0 U; 0 Other;
 SQ Query Match 12.9%; Score 9.4; DB 1; Length 13;
 Best Local Similarity 90.9%; Pred. No. 1.3e+03;
 Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
 QY 943 ATTGGTTAAAT 953
 DB |||||
 12 ATTGGTTAAAT 2
 RESULT 2423
 ABF32542/c
 ID ABF32542 standard; DNA; 13 BP.
 XX
 XX ABF32542;
 XX 21-FEB-2002 (first entry)
 XX Oligonucleotide SEQ ID NO 132539 for detecting SNP TSC0033059.
 XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
 KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
 KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
 XX Homo sapiens.
 XX WO200177384-A2.
 XX 18-OCT-2001.
 XX 06-APR-2001; 2001WO-IB000713.
 XX 07-APR-2000; 2000DE-01019173.
 XX (EPiG-) EPIGENOMICS AG.
 XX Olek A, Piepenbrock C, Berlin K;
 XX WPI; 2001-657177/75.
 XX Set of oligonucleotides, useful for diagnosis and cell typing, is
 PT designed to detect single-nucleotide polymorphisms and cytosine
 PT methylation status.
 PS Claim 1; SEQ ID NO 132539; 29pp + Sequence Listing; German.
 XX
 XX This invention describes novel oligonucleotide primers or peptide nucleic
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
 CC and cytosine methylation status in chemically pretreated genomic DNA. The
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
 CC range of diseases including immune system, gastrointestinal, respiratory,
 CC central nervous system, cardiovascular and metabolic disorders. The
 CC oligomers are also used for detecting cell type differentiation. ABC00010
 CC -ABC9989, ABF00010-ABF9989, ABH00010-ABH9989 and ABT00010-ABT82073
 CC represent the oligomers described in the invention. NOTE: The sequence
 CC data for this patent did not form part of the printed specification, but
 CC was obtained in electronic format from WIPO at
 CC ftp.wipo.int/pub/published_pct_sequences
 XX
 XX Sequence 13 BP; 4 A; 1 C; 8 G; 0 T; 0 U; 0 Other;
 SQ Query Match 12.9%; Score 9.4; DB 1; Length 13;
 Best Local Similarity 90.9%; Pred. No. 1.3e+03;
 Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
 QY 932 CCTCTCTCTTC 942
 DB |||||
 13 CCTCTCTCTTC 3
 RESULT 2424
 ABF42385
 ID ABF42385 standard; DNA; 13 BP.
 XX
 XX ABF42385;
 XX 21-FEB-2002 (first entry)
 XX Oligonucleotide SEQ ID NO 142382 for detecting SNP TSC0035690.
 XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
 KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
 KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
 XX Homo sapiens.
 XX WO200177384-A2.
 XX 18-OCT-2001.
 XX 06-APR-2001; 2001WO-IB000713.
 XX 07-APR-2000; 2000DE-01019173.
 XX (EPiG-) EPIGENOMICS AG.
 XX Olek A, Piepenbrock C, Berlin K;
 XX WPI; 2001-657177/75.
 XX Set of oligonucleotides, useful for diagnosis and cell typing, is
 PT designed to detect single-nucleotide polymorphisms and cytosine
 PT methylation status.
 PS Claim 1; SEQ ID NO 142382; 29pp + Sequence Listing; German.
 XX
 XX This invention describes novel oligonucleotide primers or peptide nucleic
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
 CC and cytosine methylation status in chemically pretreated genomic DNA. The
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
 CC range of diseases including immune system, gastrointestinal, respiratory,
 CC central nervous system, cardiovascular and metabolic disorders. The
 CC oligomers are also used for detecting cell type differentiation. ABC00010
 CC -ABC9989, ABF00010-ABF9989, ABH00010-ABH9989 and ABT00010-ABT82073
 CC represent the oligomers described in the invention. NOTE: The sequence
 CC data for this patent did not form part of the printed specification, but
 CC was obtained in electronic format from WIPO at
 CC ftp.wipo.int/pub/published_pct_sequences
 XX
 XX Sequence 13 BP; 1 A; 4 C; 0 G; 8 T; 0 U; 0 Other;
 SQ


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PN WO200177384-A2.
XX
XX 18-OCT-2001.
XX
XX 06-APR-2001; 2001WO-IB000713.
XX
XX 07-APR-2000; 2000DB-01019173.
XX
XX (EPIG-) EPIGENOMICS AG.
XX
XX Olek A, Piepenbrock C, Berlin K;
XX
XX WPI; 2001-657177/75.
XX
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
XX designed to detect single-nucleotide polymorphisms and cytosine
XX methylation status.
XX
XX Claim 1; SEQ ID NO 220280; 29pp + Sequence Listing; German.
XX
XX This invention describes novel oligonucleotide primers or peptide nucleic
XX acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
XX and cytosine methylation status in chemically pretreated genomic DNA. The
XX oligonucleotides are used for diagnosis and/or prognosis of cancer and a
XX range of diseases including immune system, gastrointestinal, respiratory,
XX central nervous system, cardiovascular and metabolic disorders. The
XX oligomers are also used for detecting cell type differentiation. ABC00010
XX -ABC9989, ABF00010-ABF9989, ABH00010-ABH9989 and ABI00010-ABI82073
XX represent the oligomers described in the invention. NOTE: The sequence
XX data for this patent did not form part of the printed specification, but
XX was obtained in electronic format from WIPO at
XX ftp.wipo.int/pub/published_pct_sequences
XX
XX Sequence 13 BP; 4 A; 2 C; 0 G; 7 T; 0 U; 0 Other;
XX
XX Query Match 12.9%; Score 9.4; DB 1; Length 13;
XX Best Local Similarity 90.9%; Pred. No. 1.3e+03;
XX Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
XX
XX QY 948 TTTAATGATC 958
XX Db 2 TTTAATGATC 12
XX
XX RESULT 2428
XX ABF95997
XX ID ABF95997 standard; DNA; 13 BP.
XX
XX AC ABF95997;
XX
XX DT 22-FEB-2002 (first entry)
XX
XX DE Oligonucleotide SEQ ID NO 195994 for detecting SNP TSC0048213.
XX
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX central nervous system; gastrointestinal, respiratory; immune; metabolic.
XX
XX OS Homo sapiens.
XX
XX PN WO200177384-A2.
XX
XX PD 18-OCT-2001.
XX
XX PF 06-APR-2001; 2001WO-IB000713.
XX
XX PR 07-APR-2000; 2000DB-01019173.
XX
XX PA (EPIG-) EPIGENOMICS AG.
XX
XX PI Olek A, Piepenbrock C, Berlin K;
XX
XX WPI; 2001-657177/75.
XX
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
XX designed to detect single-nucleotide polymorphisms and cytosine
XX methylation status.
XX
XX Claim 1; SEQ ID NO 220280; 29pp + Sequence Listing; German.
XX
XX This invention describes novel oligonucleotide primers or peptide nucleic
XX acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
XX and cytosine methylation status in chemically pretreated genomic DNA. The
XX oligonucleotides are used for diagnosis and/or prognosis of cancer and a
XX range of diseases including immune system, gastrointestinal, respiratory,
XX central nervous system, cardiovascular and metabolic disorders. The
XX oligomers are also used for detecting cell type differentiation. ABC00010
XX -ABC9989, ABF00010-ABF9989, ABH00010-ABH9989 and ABI00010-ABI82073
XX represent the oligomers described in the invention. NOTE: The sequence
XX data for this patent did not form part of the printed specification, but
XX was obtained in electronic format from WIPO at
XX ftp.wipo.int/pub/published_pct_sequences
XX
XX Sequence 13 BP; 4 A; 2 C; 0 G; 7 T; 0 U; 0 Other;
XX
XX Query Match 12.9%; Score 9.4; DB 1; Length 13;
XX Best Local Similarity 90.9%; Pred. No. 1.3e+03;
XX Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
XX
XX QY 948 TTTAATGATC 958
XX Db 2 TTTAATGATC 12
XX
XX RESULT 2428
XX ABF95997
XX ID ABF95997 standard; DNA; 13 BP.
XX
XX AC ABF95997;
XX
XX DT 22-FEB-2002 (first entry)
XX
XX DE Oligonucleotide SEQ ID NO 195994 for detecting SNP TSC0048213.
XX
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX central nervous system; gastrointestinal, respiratory; immune; metabolic.
XX
XX OS Homo sapiens.
XX
XX PN WO200177384-A2.
XX
XX PD 18-OCT-2001.
XX
XX PF 06-APR-2001; 2001WO-IB000713.
XX
XX PR 07-APR-2000; 2000DB-01019173.
XX
XX PA (EPIG-) EPIGENOMICS AG.
XX
XX PI Olek A, Piepenbrock C, Berlin K;
XX
XX WPI; 2001-657177/75.
XX
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
XX designed to detect single-nucleotide polymorphisms and cytosine
XX methylation status.
XX
XX Claim 1; SEQ ID NO 195994; 29pp + Sequence Listing; German.
XX
XX This invention describes novel oligonucleotide primers or peptide nucleic
XX acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
XX and cytosine methylation status in chemically pretreated genomic DNA. The
XX oligonucleotides are used for diagnosis and/or prognosis of cancer and a
XX range of diseases including immune system, gastrointestinal, respiratory,
XX central nervous system, cardiovascular and metabolic disorders. The
XX oligomers are also used for detecting cell type differentiation. ABC00010
XX -ABC9989, ABF00010-ABF9989, ABH00010-ABH9989 and ABI00010-ABI82073
XX represent the oligomers described in the invention. NOTE: The sequence
XX data for this patent did not form part of the printed specification, but
XX was obtained in electronic format from WIPO at
XX ftp.wipo.int/pub/published_pct_sequences
XX
XX Sequence 13 BP; 0 A; 7 C; 2 G; 4 T; 0 U; 0 Other;
XX
XX Query Match 12.9%; Score 9.4; DB 1; Length 13;
XX Best Local Similarity 90.9%; Pred. No. 1.3e+03;
XX Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
XX
XX QY 932 CCTCTCTCTTC 942
XX Db 2 CCTCTCTCTTC 12
XX
XX RESULT 2429
XX ABF72080/C
XX ID ABF72080 standard; DNA; 13 BP.
XX
XX AC ABF72080;
XX
XX DT 22-FEB-2002 (first entry)
XX
XX DE Oligonucleotide SEQ ID NO 172077 for detecting SNP TSC0005766.
XX
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX central nervous system; gastrointestinal, respiratory; immune; metabolic.
XX
XX OS Homo sapiens.
XX
XX PN WO200177384-A2.
XX
XX PD 18-OCT-2001.
XX
XX PF 06-APR-2001; 2001WO-IB000713.
XX
XX PR 07-APR-2000; 2000DB-01019173.
XX
XX PA (EPIG-) EPIGENOMICS AG.
XX
XX PI Olek A, Piepenbrock C, Berlin K;
XX
XX WPI; 2001-657177/75.
XX
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
XX designed to detect single-nucleotide polymorphisms and cytosine
XX methylation status.
XX
XX Claim 1; SEQ ID NO 172077; 29pp + Sequence Listing; German.
XX
XX This invention describes novel oligonucleotide primers or peptide nucleic
XX acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
XX and cytosine methylation status in chemically pretreated genomic DNA. The
XX oligonucleotides are used for diagnosis and/or prognosis of cancer and a
XX range of diseases including immune system, gastrointestinal, respiratory,
XX central nervous system, cardiovascular and metabolic disorders. The
XX oligomers are also used for detecting cell type differentiation. ABC00010
XX -ABC9989, ABF00010-ABF9989, ABH00010-ABH9989 and ABI00010-ABI82073
XX represent the oligomers described in the invention. NOTE: The sequence
XX data for this patent did not form part of the printed specification, but
XX was obtained in electronic format from WIPO at
XX ftp.wipo.int/pub/published_pct_sequences
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CC oligomers are also used for detecting cell type differentiation. ABC00010
 CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
 CC represent the oligomers described in the invention. NOTE: The sequence
 CC data for this patent did not form part of the printed specification, but
 CC was obtained in electronic format from WIPO at
 CC ftp.wipo.int/pub/published_pct_sequences
 XX
 SQ Sequence 13 BP; 9 A; 0 C; 3 G; 1 T; 0 U; 0 Other;
 Query Match 12.9%; Score 9.4; DB 1; Length 13;
 Best Local Similarity 90.9%; Pred. No. 1.3e+03;
 Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
 QY 921 TTGCCTTTTAT 931
 DB 12 TTTCCTTTTAT 2
 RESULT 2430
 ABF48210
 ID ABF48210 standard; DNA; 13 BP.
 XX
 AC ABF48210;
 XX
 DT 21-FEB-2002 (first entry)
 XX
 DE Oligonucleotide SEQ ID NO 148207 for detecting SNP TSC0037419.
 KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
 KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
 KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
 XX
 OS Homo sapiens.
 XX
 PN WO200177384-A2.
 PD 18-OCT-2001.
 XX
 PF 06-APR-2001; 2001WO-IB000713.
 XX
 PR 07-APR-2000; 2000DE-01019173.
 XX
 PA (EPG-) EPIGENOMICS AG.
 XX
 PI Olek A, Piepenbrock C, Berlin K;
 XX
 DR WPI; 2001-657177/75.
 XX
 PT Set of oligonucleotides, useful for diagnosis and cell typing, is
 PT designed to detect single-nucleotide polymorphisms and cytosine
 PT methylation status.
 XX
 PS Claim 1; SEQ ID NO 148207; 29pp + Sequence Listing; German.
 XX
 CC This invention describes novel oligonucleotide primers or peptide nucleic
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
 CC and cytosine methylation status in chemically pretreated genomic DNA. The
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
 CC range of diseases including immune system, gastrointestinal, respiratory,
 CC central nervous system, cardiovascular and metabolic disorders. The
 CC oligomers are also used for detecting cell type differentiation. ABC00010
 CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
 CC represent the oligomers described in the invention. NOTE: The sequence
 CC data for this patent did not form part of the printed specification, but
 CC was obtained in electronic format from WIPO at
 CC ftp.wipo.int/pub/published_pct_sequences
 XX
 SQ Sequence 13 BP; 3 A; 1 C; 2 G; 7 T; 0 U; 0 Other;
 Query Match 12.9%; Score 9.4; DB 1; Length 13;
 Best Local Similarity 90.9%; Pred. No. 1.3e+03;
 Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
 CC oligomers are also used for detecting cell type differentiation. ABC00010
 CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
 CC represent the oligomers described in the invention. NOTE: The sequence
 CC data for this patent did not form part of the printed specification, but
 CC was obtained in electronic format from WIPO at
 CC ftp.wipo.int/pub/published_pct_sequences
 XX
 SQ Sequence 13 BP; 9 A; 2 C; 0 G; 1 T; 0 U; 1 Other;
 Query Match 12.9%; Score 9.4; DB 1; Length 13;
 Best Local Similarity 76.9%; Pred. No. 1.3e+03;
 Matches 10; Conservative 1; Mismatches 2; Indels 0; Gaps 0;
 QY 909 TTCTTTTGCTTT 921
 DB 13 TTATTGTGTTT 1
 RESULT 2432
 ABF48527
 ID ABF48527 standard; DNA; 13 BP.
 XX
 AC ABF48527;
 XX
 DT 21-FEB-2002 (first entry)
 XX

QY 947 GTTTAATGTAT 957
 DB 1 GTTTAATGTAT 11
 RESULT 2431
 ABF73485/C
 ID ABF73485 standard; DNA; 13 BP.
 XX
 AC ABF73485;
 XX
 DT 22-FEB-2002 (first entry)
 XX
 DE Oligonucleotide SEQ ID NO 173482 for detecting SNP TSC0043214.
 KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
 KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
 KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
 XX
 OS Homo sapiens.
 XX
 PN WO200177384-A2.
 PD 18-OCT-2001.
 XX
 PF 06-APR-2001; 2001WO-IB000713.
 XX
 PR 07-APR-2000; 2000DE-01019173.
 XX
 PA (EPG-) EPIGENOMICS AG.
 XX
 PI Olek A, Piepenbrock C, Berlin K;
 XX
 DR WPI; 2001-657177/75.
 XX
 PT Set of oligonucleotides, useful for diagnosis and cell typing, is
 PT designed to detect single-nucleotide polymorphisms and cytosine
 PT methylation status.
 XX
 PS Claim 1; SEQ ID NO 173482; 29pp + Sequence Listing; German.
 XX
 CC This invention describes novel oligonucleotide primers or peptide nucleic
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
 CC and cytosine methylation status in chemically pretreated genomic DNA. The
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
 CC range of diseases including immune system, gastrointestinal, respiratory,
 CC central nervous system, cardiovascular and metabolic disorders. The
 CC oligomers are also used for detecting cell type differentiation. ABC00010
 CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
 CC represent the oligomers described in the invention. NOTE: The sequence
 CC data for this patent did not form part of the printed specification, but
 CC was obtained in electronic format from WIPO at
 CC ftp.wipo.int/pub/published_pct_sequences
 XX
 SQ Sequence 13 BP; 9 A; 2 C; 0 G; 1 T; 0 U; 1 Other;
 Query Match 12.9%; Score 9.4; DB 1; Length 13;
 Best Local Similarity 76.9%; Pred. No. 1.3e+03;
 Matches 10; Conservative 1; Mismatches 2; Indels 0; Gaps 0;
 QY 909 TTCTTTTGCTTT 921
 DB 13 TTATTGTGTTT 1
 RESULT 2432
 ABF48527
 ID ABF48527 standard; DNA; 13 BP.
 XX
 AC ABF48527;
 XX
 DT 21-FEB-2002 (first entry)
 XX

PS Claim 1; SEQ ID NO 227269; 29pp + Sequence Listing; German.

XX This invention describes novel oligonucleotide primers or peptide nucleic acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP) and cytosine methylation status in chemically pretreated genomic DNA. The oligonucleotides are used for diagnosis and/or prognosis of cancer and a range of diseases including immune system, gastrointestinal, respiratory, central nervous system, cardiovascular and metabolic disorders. The oligomers are also used for detecting cell type differentiation. ABC00010 -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073 represent the oligomers described in the invention. NOTE: The sequence data for this patent did not form part of the printed specification, but was obtained in electronic format from WIPO at ftp.wipo.int/pub/published_pct_sequences

XX SQ Sequence 13 BP; 7 A; 0 C; 4 G; 2 T; 0 U; 0 Other;

Query Match 12.9%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 1.3e+03;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 905 TCATTTCCTT 915
Db 12 TCATTATCTT 2
|||||

RESULT 2435
ABH27853
ID ABH27853 standard; DNA; 13 BP.
XX AC ABH27853;
XX ABH27853;
XX 22-FEB-2002 (first entry)
XX DE Oligonucleotide SEQ ID NO 227830 for detecting SNP TSC0055556.
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX OS Homo sapiens.
XX PN WO200177384-A2.
XX PD 18-OCT-2001.
XX PF 06-APR-2001; 2001WO-IB000713.
XX PR 07-APR-2000; 2000DE-01019173.
XX PA (EPIG-) EPIGENOMICS AG.
XX PI Olek A, Piepenbrock C, Berlin K;
XX WPI; 2001-657177/75.
XX Set of oligonucleotides, useful for diagnosis and cell typing, is designed to detect single-nucleotide polymorphisms and cytosine methylation status.
XX PS Claim 1; SEQ ID NO 227830; 29pp + Sequence Listing; German.

XX This invention describes novel oligonucleotide primers or peptide nucleic acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP) and cytosine methylation status in chemically pretreated genomic DNA. The oligonucleotides are used for diagnosis and/or prognosis of cancer and a range of diseases including immune system, gastrointestinal, respiratory, central nervous system, cardiovascular and metabolic disorders. The oligomers are also used for detecting cell type differentiation. ABC00010 -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073 represent the oligomers described in the invention. NOTE: The sequence data for this patent did not form part of the printed specification, but was obtained in electronic format from WIPO at

CC ftp.wipo.int/pub/published_pct_sequences

XX SQ Sequence 13 BP; 3 A; 6 C; 0 G; 3 T; 0 U; 1 Other;

Query Match 12.9%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 1.3e+03;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 930 ATCCCTCCCTCT 940
Db 3 ATCCCTCCACT 13
|||||

RESULT 2436
ABH03115/c
ID ABH03115 standard; DNA; 13 BP.
XX AC ABH03115;
XX ABH03115;
XX 22-FEB-2002 (first entry)
XX DE Oligonucleotide SEQ ID NO 203092 for detecting SNP TSC0049880.
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX OS Homo sapiens.
XX PN WO200177384-A2.
XX PD 18-OCT-2001.
XX PF 06-APR-2001; 2001WO-IB000713.
XX PR 07-APR-2000; 2000DE-01019173.
XX PA (EPIG-) EPIGENOMICS AG.
XX PI Olek A, Piepenbrock C, Berlin K;
XX WPI; 2001-657177/75.
XX Set of oligonucleotides, useful for diagnosis and cell typing, is designed to detect single-nucleotide polymorphisms and cytosine methylation status.
XX PS Claim 1; SEQ ID NO 203092; 29pp + Sequence Listing; German.

XX This invention describes novel oligonucleotide primers or peptide nucleic acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP) and cytosine methylation status in chemically pretreated genomic DNA. The oligonucleotides are used for diagnosis and/or prognosis of cancer and a range of diseases including immune system, gastrointestinal, respiratory, central nervous system, cardiovascular and metabolic disorders. The oligomers are also used for detecting cell type differentiation. ABC00010 -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073 represent the oligomers described in the invention. NOTE: The sequence data for this patent did not form part of the printed specification, but was obtained in electronic format from WIPO at ftp.wipo.int/pub/published_pct_sequences

XX SQ Sequence 13 BP; 8 A; 2 C; 0 G; 2 T; 0 U; 1 Other;

Query Match 12.9%; Score 9.4; DB 1; Length 13;
Best Local Similarity 76.9%; Pred. No. 1.3e+03;
Matches 10; Conservative 1; Mismatches 2; Indels 0; Gaps 0;

QY 920 TTGCTTTTATC 932
Db 13 TTGAGTTTATY 1
|||||

```

RESULT 2437
ABH28111/c
ID ABH28111 standard; DNA; 13 BP.
XX
XX
AC ABH28111;
XX
DT 22-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 228088 for detecting SNP TSC0055622.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
XX Homo sapiens.
XX
XX WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
XX (EPIG-) EPIGENOMICS AG.
XX
XX Olek A, Piepenbrock C, Berlin K;
XX
XX WPI; 2001-657177/75.
XX
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
XX designed to detect single-nucleotide polymorphisms and cytosine
XX methylation status.
XX
XX Claim 1; SEQ ID NO 228088; 29pp + Sequence Listing; German.
XX
XX This invention describes novel oligonucleotide primers or peptide nucleic
XX acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
XX and cytosine methylation status in chemically pretreated genomic DNA. The
XX oligonucleotides are used for diagnosis and/or prognosis of cancer and a
XX range of diseases including immune system, gastrointestinal, respiratory,
XX central nervous system, cardiovascular and metabolic disorders. The
XX oligomers are also used for detecting cell type differentiation. ABC00010
XX -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
XX represent the oligomers described in the invention. NOTE: The sequence
XX data for this patent did not form part of the printed specification, but
XX was obtained in electronic format from WIPO at
XX ftp.wipo.int/pub/published_pct_sequences
XX
XX Sequence 13 BP; 6 A; 3 C; 0 G; 4 T; 0 U; 0 Other;
XX
XX Query Match 12.9%; Score 9.4; DB 1; Length 13;
XX Best Local Similarity 90.9%; Pred. No. 1.3e+03;
XX Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
XX
QY 943 ATGGGTTTAAT 953
DB 11 ATGGGTTTAAT 1
XX
RESULT 2438
ABH29276
ID ABH29276 standard; DNA; 13 BP.
XX
XX ABH29276;
XX
XX ABH29276;
XX
DT 22-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 229253 for detecting SNP TSC0055935.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
XX Homo sapiens.
XX
XX WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
XX (EPIG-) EPIGENOMICS AG.
XX
XX Olek A, Piepenbrock C, Berlin K;
XX
XX WPI; 2001-657177/75.
XX
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
XX designed to detect single-nucleotide polymorphisms and cytosine
XX methylation status.
XX
XX Claim 1; SEQ ID NO 228088; 29pp + Sequence Listing; German.
XX
XX This invention describes novel oligonucleotide primers or peptide nucleic
XX acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
XX and cytosine methylation status in chemically pretreated genomic DNA. The
XX oligonucleotides are used for diagnosis and/or prognosis of cancer and a
XX range of diseases including immune system, gastrointestinal, respiratory,
XX central nervous system, cardiovascular and metabolic disorders. The
XX oligomers are also used for detecting cell type differentiation. ABC00010
XX -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
XX represent the oligomers described in the invention. NOTE: The sequence
XX data for this patent did not form part of the printed specification, but
XX was obtained in electronic format from WIPO at
XX ftp.wipo.int/pub/published_pct_sequences
XX
XX Sequence 13 BP; 6 A; 3 C; 0 G; 4 T; 0 U; 0 Other;
XX
XX Query Match 12.9%; Score 9.4; DB 1; Length 13;
XX Best Local Similarity 90.9%; Pred. No. 1.3e+03;
XX Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
XX
QY 944 TTGGTTTAATG 954
DB 2 TAGGTTTAATG 12
XX
RESULT 2439
ABH29277/c
ID ABH29277 standard; DNA; 13 BP.
XX
XX ABH29277;
XX
XX ABH29277;
XX
DT 22-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 229254 for detecting SNP TSC0055935.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
XX Homo sapiens.
XX
XX WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
XX (EPIG-) EPIGENOMICS AG.
XX
XX Olek A, Piepenbrock C, Berlin K;
XX
XX WPI; 2001-657177/75.
XX
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
XX designed to detect single-nucleotide polymorphisms and cytosine
XX methylation status.
XX
XX Claim 1; SEQ ID NO 229253; 29pp + Sequence Listing; German.
XX
XX This invention describes novel oligonucleotide primers or peptide nucleic
XX acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
XX and cytosine methylation status in chemically pretreated genomic DNA. The
XX oligonucleotides are used for diagnosis and/or prognosis of cancer and a
XX range of diseases including immune system, gastrointestinal, respiratory,
XX central nervous system, cardiovascular and metabolic disorders. The
XX oligomers are also used for detecting cell type differentiation. ABC00010
XX -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
XX represent the oligomers described in the invention. NOTE: The sequence
XX data for this patent did not form part of the printed specification, but
XX was obtained in electronic format from WIPO at
XX ftp.wipo.int/pub/published_pct_sequences
XX
XX Sequence 13 BP; 4 A; 0 C; 3 G; 6 T; 0 U; 0 Other;
XX
XX Query Match 12.9%; Score 9.4; DB 1; Length 13;
XX Best Local Similarity 90.3%; Pred. No. 1.3e+03;
XX Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
XX
QY 944 TTGGTTTAATG 954
DB 2 TAGGTTTAATG 12
XX
```


Best Local Similarity 90.9%; Pred. No. 1.3e+03; Mismatches 0; Indels 0; Gaps 0;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 905 TCATTCTCTTT 915
Db 12 TCATATTCTTT 2
|||||

RESULT 2442
ABF58093/c
ID ABF58093 standard; DNA; 13 BP.
AC ABF58093;
XX
XX 21-FEB-2002 (first entry)
XX
XX Oligonucleotide SEQ ID NO 158090 for detecting SNP TSC0039821.
XX
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
XX Homo sapiens.
XX
XX WO200177384-A2.
XX
XX 18-OCT-2001.
XX
XX 06-APR-2001; 2001WO-IB000713.
XX
XX 07-APR-2000; 2000DE-01019173.
XX
XX (EPIG-) EPIGENOMICS AG.
XX
XX Olek A, Piepenbrock C, Berlin K;
XX
XX WPI; 2001-657177/75.
XX
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
XX Claim 1; SEQ ID NO 158090; 29pp + Sequence Listing; German.
XX
XX This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABT00010-ABT82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
XX Sequence 13 BP; 8 A; 2 C; 1 G; 1 T; 0 U; 1 Other;
XX
XX Query Match 12.9%; Score 9.4; DB 1; Length 13;
Best Local Similarity 76.9%; Pred. No. 1.3e+03;
Matches 10; Conservative 1; Mismatches 2; Indels 0; Gaps 0;

Qy 907 ATTTCTTTGGTC 919
Db 13 ATTTCTTTGGTY 1
|||||

RESULT 2443
ABF85688
ID ABF85688 standard; DNA; 13 BP.
XX
XX ABF85688;

XX
DT 22-FEB-2002 (first entry)
XX
XX Oligonucleotide SEQ ID NO 185685 for detecting SNP TSC0045759.
DE
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
XX Homo sapiens.
XX
XX WO200177384-A2.
XX
XX 18-OCT-2001.
XX
XX 06-APR-2001; 2001WO-IB000713.
XX
XX 07-APR-2000; 2000DE-01019173.
PR
XX (EPIG-) EPIGENOMICS AG.
XX
XX Olek A, Piepenbrock C, Berlin K;
XX
XX WPI; 2001-657177/75.
XX
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
XX Claim 1; SEQ ID NO 185685; 29pp + Sequence Listing; German.
XX
XX This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABT00010-ABT82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
XX Sequence 13 BP; 2 A; 0 C; 4 G; 6 T; 0 U; 1 Other;
XX
XX Query Match 12.9%; Score 9.4; DB 1; Length 13;
Best Local Similarity 76.9%; Pred. No. 1.3e+03;
Matches 10; Conservative 1; Mismatches 2; Indels 0; Gaps 0;

Qy 945 TCGTTTATGTAT 957
Db 1 TCGTTTATGGAY 13
|||||

RESULT 2444
ABH11657/c
ID ABH11657 standard; DNA; 13 BP.
XX
XX ABH11657;
XX
XX 22-FEB-2002 (first entry)
XX
XX Oligonucleotide SEQ ID NO 211634 for detecting SNP TSC0051509.
XX
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
XX Homo sapiens.
XX
XX WO200177384-A2.
XX

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PD 18-OCT-2001.
XX
XX
PF 06-APR-2001; 2001WO-IB000713.
XX
XX
PR 07-APR-2000; 2000DE-01019173.
XX
XX
PA (EPIG-) EPIGENOMICS AG.
XX
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
XX
DR WPI; 2001-657177/75.
XX
XX
PT Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
XX
PS Claim 1; SEQ ID NO 211634; 29pp + Sequence Listing; German.
XX
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC9989, ABF00010-ABF9989, ABH00010-ABH9989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
XX
SQ Sequence 13 BP; 8 A; 1 C; 0 G; 3 T; 0 U; 1 Other;
Query Match 12.9%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 1.3e+03;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
QY 943 ATTGGTTTAAAT 953
DB 13 ATTGGTTTAAAT 3
RESULT 2445
ABH12347/C
ID ABH12347 standard; DNA; 13 BP.
XX
XX
AC ABH12347;
XX
XX
DT 22-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 212324 for detecting SNP TSC0051719.
XX
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
XX
OS Homo sapiens.
XX
XX
PN WO200177384-A2.
XX
XX
PD 18-OCT-2001.
XX
XX
PF 06-APR-2001; 2001WO-IB000713.
XX
XX
PR 07-APR-2000; 2000DE-01019173.
XX
XX
PA (EPIG-) EPIGENOMICS AG.
XX
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
XX
DR WPI; 2001-657177/75.
XX
XX
PT Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
XX
PS Claim 1; SEQ ID NO 214459; 29pp + Sequence Listing; German.
XX
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC9989, ABF00010-ABF9989, ABH00010-ABH9989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
XX
SQ Sequence 13 BP; 8 A; 1 C; 0 G; 3 T; 0 U; 1 Other;
Query Match 12.9%; Score 9.4; DB 1; Length 13;
Best Local Similarity 76.9%; Pred. No. 1.3e+03;
Matches 10; Conservative 1; Mismatches 2; Indels 0; Gaps 0;
QY 945 TGGTTTAAATGAT 957
DB 13 TGGTTTAAATGAT 1
RESULT 2446
ABH14482
ID ABH14482 standard; DNA; 13 BP.
XX
XX
AC ABH14482;
XX
XX
DT 22-FEB-2002 (first entry)
XX
XX
DE Oligonucleotide SEQ ID NO 214459 for detecting SNP TSC0052165.
XX
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
XX
OS Homo sapiens.
XX
XX
PN WO200177384-A2.
XX
XX
PD 18-OCT-2001.
XX
XX
PF 06-APR-2001; 2001WO-IB000713.
XX
XX
PR 07-APR-2000; 2000DE-01019173.
XX
XX
PA (EPIG-) EPIGENOMICS AG.
XX
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
XX
DR WPI; 2001-657177/75.
XX
XX
PT Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
XX
PS Claim 1; SEQ ID NO 214459; 29pp + Sequence Listing; German.
XX
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC9989, ABF00010-ABF9989, ABH00010-ABH9989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
XX
SQ Sequence 13 BP; 8 A; 1 C; 0 G; 3 T; 0 U; 1 Other;
Query Match 12.9%; Score 9.4; DB 1; Length 13;
Best Local Similarity 76.9%; Pred. No. 1.3e+03;
Matches 10; Conservative 1; Mismatches 2; Indels 0; Gaps 0;
QY 945 TGGTTTAAATGAT 957
DB 13 TGGTTTAAATGAT 1
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CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 13 BP; 3 A; 1 C; 3 G; 6 T; 0 U; 0 Other;

Query Match 12.9%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 1.3e+03;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
QY 952 ATGATCGCTA 962
|||||
Db 1 ATGATCGCTA 11

RESULT 2447
ABH16020
ID ABH16020 standard; DNA; 13 BP.
XX
AC ABH16020;
XX
DT 22-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 215997 for detecting SNP TSC0052522.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
FN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
PT WPI; 2001-657177/75.
XX
DR Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
PS Claim 1; SEQ ID NO 215997; 29pp + Sequence Listing; German.

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CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
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CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 13 BP; 5 A; 0 C; 2 G; 6 T; 0 U; 0 Other;

Query Match 12.9%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 1.3e+03;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
QY 943 ATTGGTTTAAAT 953
|||||

Db 1 ATTGGTTAAT 11
RESULT 2448
ABH41300/C
ID ABH41300 standard; DNA; 13 BP.
XX
AC ABH41300;
XX
DT 22-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 241277 for detecting SNP TSC0058852.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
FN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
PT WPI; 2001-657177/75.
XX
DR Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
PS Claim 1; SEQ ID NO 241277; 29pp + Sequence Listing; German.

CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC9989, ABF00010-ABF9989, ABH00010-ABH9989 and ABI00010-ABI82073
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CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 13 BP; 6 A; 0 C; 4 G; 3 T; 0 U; 0 Other;

Query Match 12.9%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 1.3e+03;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
QY 925 CTTTATCCCT 935
|||||
Db 11 CATTATCCCT 1

RESULT 2449
ABH41555/C
ID ABH41555 standard; DNA; 13 BP.
XX
AC ABH41555;
XX
DT 22-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 241532 for detecting SNP TSC0058904.
XX

KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
 KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
 KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
 XX Homo sapiens.
 XX WO200177384-A2.
 PN 18-OCT-2001.
 PD 06-APR-2001; 2001WO-IB000713.
 XX 07-APR-2000; 2000DE-01019173.
 XX (EPIG-) EPIGENOMICS AG.
 PA Olek A, Piepenbrock C, Berlin K;
 PI WPI; 2001-657177/75.
 DR Set of oligonucleotides, useful for diagnosis and cell typing, is
 PT designed to detect single-nucleotide polymorphisms and cytosine
 PT methylation status.
 XX Claim 1; SEQ ID NO 241532; 29pp + Sequence Listing; German.
 PS This invention describes novel oligonucleotide primers or peptide nucleic
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
 CC and cytosine methylation status in chemically pretreated genomic DNA. The
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
 CC range of diseases including immune system, gastrointestinal, respiratory,
 CC central nervous system, cardiovascular and metabolic disorders. The
 CC oligomers are also used for detecting cell type differentiation. ABC00010
 CC -ABC9989, ABF00010-ABF9989, ABH00010-ABH9989 and ABI00010-ABI82073
 CC represent the oligomers described in the invention. NOTE: The sequence
 CC data for this patent did not form part of the printed specification, but
 CC was obtained in electronic format from WIPO at
 CC ftp.wipo.int/pub/published_pct_sequences
 XX Sequence 13 BP; 5 A; 4 C; 0 G; 4 T; 0 U; 0 Other;
 SQ Query Match 12.9%; Score 9.4; DB 1; Length 13;
 Best Local Similarity 90.9%; Pred. No. 1.3e+03;
 Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
 OY 946 GGTGTTAAGTA 956
 DB 13 GGTGTTAAGTA 3
 RESULT 2450
 ABH43935/c
 ID ABH43935 standard; DNA; 13 BP.
 XX ABH43935;
 AC 22-FEB-2002 (first entry)
 DT Oligonucleotide SEQ ID NO 243912 for detecting SNP TSC0059502.
 DE SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
 XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
 KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
 XX Homo sapiens.
 OS WO200177384-A2.
 PN 18-OCT-2001.
 PD 06-APR-2001; 2001WO-IB000713.
 XX 07-APR-2000; 2000DE-01019173.
 XX (EPIG-) EPIGENOMICS AG.
 PA Olek A, Piepenbrock C, Berlin K;
 PI WPI; 2001-657177/75.
 DR Set of oligonucleotides, useful for diagnosis and cell typing, is
 PT designed to detect single-nucleotide polymorphisms and cytosine
 PT methylation status.
 XX Claim 1; SEQ ID NO 253873; 29pp + Sequence Listing; German.
 PS This invention describes novel oligonucleotide primers or peptide nucleic
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
 CC and cytosine methylation status in chemically pretreated genomic DNA. The
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
 CC range of diseases including immune system, gastrointestinal, respiratory,
 CC central nervous system, cardiovascular and metabolic disorders. The
 CC oligomers are also used for detecting cell type differentiation. ABC00010
 CC -ABC9989, ABF00010-ABF9989, ABH00010-ABH9989 and ABI00010-ABI82073
 CC represent the oligomers described in the invention. NOTE: The sequence
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 CC ftp.wipo.int/pub/published_pct_sequences
 XX Sequence 13 BP; 5 A; 4 C; 0 G; 4 T; 0 U; 0 Other;
 SQ Query Match 12.9%; Score 9.4; DB 1; Length 13;
 Best Local Similarity 90.9%; Pred. No. 1.3e+03;
 Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
 OY 946 GGTGTTAAGTA 956
 DB 13 GGTGTTAAGTA 3
 RESULT 2450
 ABH43935/c
 ID ABH43935 standard; DNA; 13 BP.
 XX ABH43935;
 AC 22-FEB-2002 (first entry)
 DT Oligonucleotide SEQ ID NO 243912 for detecting SNP TSC0059502.
 DE SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
 XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
 KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
 XX Homo sapiens.
 OS WO200177384-A2.
 PN 18-OCT-2001.
 PD 06-APR-2001; 2001WO-IB000713.
 XX 07-APR-2000; 2000DE-01019173.
 XX (EPIG-) EPIGENOMICS AG.
 PA Olek A, Piepenbrock C, Berlin K;
 PI WPI; 2001-657177/75.
 DR Set of oligonucleotides, useful for diagnosis and cell typing, is
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 PT methylation status.
 XX Claim 1; SEQ ID NO 253873; 29pp + Sequence Listing; German.
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 CC and cytosine methylation status in chemically pretreated genomic DNA. The
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 CC -ABC9989, ABF00010-ABF9989, ABH00010-ABH9989 and ABI00010-ABI82073
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 CC ftp.wipo.int/pub/published_pct_sequences
 XX Sequence 13 BP; 8 A; 1 C; 0 G; 3 T; 0 U; 1 Other;
 SQ Query Match 12.9%; Score 9.4; DB 1; Length 13;
 Best Local Similarity 76.9%; Pred. No. 1.3e+03;
 Matches 10; Conservative 1; Mismatches 2; Indels 0; Gaps 0;
 OY 943 ATTGTTTAAATGT 955
 DB 13 ATTTTAAATGY 1
 RESULT 2451
 ABH53896
 ID ABH53896 standard; DNA; 13 BP.
 XX ABH53896;
 AC 22-FEB-2002 (first entry)
 DT Oligonucleotide SEQ ID NO 253873 for detecting SNP TSC0061899.
 DE SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
 KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
 KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
 XX Homo sapiens.
 OS WO200177384-A2.
 PN 18-OCT-2001.
 PD 06-APR-2001; 2001WO-IB000713.
 XX 07-APR-2000; 2000DE-01019173.
 XX (EPIG-) EPIGENOMICS AG.
 PA Olek A, Piepenbrock C, Berlin K;
 PI WPI; 2001-657177/75.
 DR Set of oligonucleotides, useful for diagnosis and cell typing, is
 PT designed to detect single-nucleotide polymorphisms and cytosine
 PT methylation status.
 XX Claim 1; SEQ ID NO 253873; 29pp + Sequence Listing; German.
 PS This invention describes novel oligonucleotide primers or peptide nucleic
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
 CC and cytosine methylation status in chemically pretreated genomic DNA. The
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
 CC range of diseases including immune system, gastrointestinal, respiratory,
 CC central nervous system, cardiovascular and metabolic disorders. The
 CC oligomers are also used for detecting cell type differentiation. ABC00010
 CC -ABC9989, ABF00010-ABF9989, ABH00010-ABH9989 and ABI00010-ABI82073
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 Matches 10; Conservative 1; Mismatches 2; Indels 0; Gaps 0;
 OY 943 ATTGTTTAAATGT 955
 DB 13 ATTTTAAATGY 1

XX (EPIG-) EPIGENOMICS AG.
 XX Olek A, Piepenbrock C, Berlin K;
 PI WPI; 2001-657177/75.
 DR Set of oligonucleotides, useful for diagnosis and cell typing, is
 PT designed to detect single-nucleotide polymorphisms and cytosine
 PT methylation status.
 XX Claim 1; SEQ ID NO 243912; 29pp + Sequence Listing; German.
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 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
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 CC -ABC9989, ABF00010-ABF9989, ABH00010-ABH9989 and ABI00010-ABI82073
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 SQ Query Match 12.9%; Score 9.4; DB 1; Length 13;
 Best Local Similarity 76.9%; Pred. No. 1.3e+03;
 Matches 10; Conservative 1; Mismatches 2; Indels 0; Gaps 0;
 OY 943 ATTGTTTAAATGT 955
 DB 13 ATTTTAAATGY 1
 RESULT 2451
 ABH53896
 ID ABH53896 standard; DNA; 13 BP.
 XX ABH53896;
 AC 22-FEB-2002 (first entry)
 DT Oligonucleotide SEQ ID NO 253873 for detecting SNP TSC0061899.
 DE SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
 KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
 KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
 XX Homo sapiens.
 OS WO200177384-A2.
 PN 18-OCT-2001.
 PD 06-APR-2001; 2001WO-IB000713.
 XX 07-APR-2000; 2000DE-01019173.
 XX (EPIG-) EPIGENOMICS AG.
 PA Olek A, Piepenbrock C, Berlin K;
 PI WPI; 2001-657177/75.
 DR Set of oligonucleotides, useful for diagnosis and cell typing, is
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 XX Claim 1; SEQ ID NO 253873; 29pp + Sequence Listing; German.
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 CC -ABC9989, ABF00010-ABF9989, ABH00010-ABH9989 and ABI00010-ABI82073
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 Matches 10; Conservative 1; Mismatches 2; Indels 0; Gaps 0;
 OY 943 ATTGTTTAAATGT 955
 DB 13 ATTTTAAATGY 1
 RESULT 2451
 ABH53896
 ID ABH53896 standard; DNA; 13 BP.
 XX ABH53896;
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 PN 18-OCT-2001.
 PD 06-APR-2001; 2001WO-IB000713.
 XX 07-APR-2000; 2000DE-01019173.
 XX (EPIG-) EPIGENOMICS AG.
 PA Olek A, Piepenbrock C, Berlin K;
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 CC central nervous system, cardiovascular and metabolic disorders. The
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 XX Sequence 13 BP; 8 A; 1 C; 0 G; 3 T; 0 U; 1 Other;
 SQ Query Match 12.9%; Score 9.4; DB 1; Length 13;
 Best Local Similarity 76.9%; Pred. No. 1.3e+03;
 Matches 10; Conservative 1; Mismatches 2; Indels 0; Gaps 0;
 OY 943 ATTGTTTAAATGT 955
 DB 13 ATTTTAAATGY 1

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 CC central nervous system, cardiovascular and metabolic disorders. The
 CC oligomers are also used for detecting cell type differentiation. ABC00010
 CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
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XX SQ Sequence 13 BP; 3 A; 0 C; 4 G; 5 T; 0 U; 1 Other;
 Query Match 12.9%; Score 9.4; DB 1; Length 13;
 Best Local Similarity 76.9%; Pred. No. 1.3e+03;
 Matches 10; Conservative 1; Mismatches 2; Indels 0; Gaps 0;

QY 946 GGTTTAATGATC 958
 Db 1 GGTTTAGTAAAT 13

RESULT 2452
 ABH58822
 ID ABH58822 standard; DNA; 13 BP.

XX AC ABH58822;

XX DT 22-FEB-2002 (first entry)

XX DE Oligonucleotide SEQ ID NO 258799 for detecting SNP TSC0062902.

XX SNF; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
 KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
 KW central nervous system; gastrointestinal; respiratory; immune; metabolic.

XX OS Homo sapiens.

XX PN WO200177384-A2.

XX PD 18-OCT-2001.

XX PF 06-APR-2001; 2001WO-IB000713.

XX PR 07-APR-2000; 2000DE-01019173.

XX PA (EPIG-) EPIGENOMICS AG.

XX PI Olek A, Piepenbrock C, Berlin K;

XX WPI; 2001-657177/75.

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 PT designed to detect single-nucleotide polymorphisms and cytosine
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XX Claim 1; SEQ ID NO 258799; 29pp + Sequence Listing; German.

XX This invention describes novel oligonucleotide primers or peptide nucleic
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 CC and cytosine methylation status in chemically pretreated genomic DNA. The
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 CC central nervous system, cardiovascular and metabolic disorders. The
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 CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
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 CC data for this patent did not form part of the printed specification, but
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SQ Sequence 13 BP; 1 A; 0 C; 4 G; 8 T; 0 U; 0 Other;
 Query Match 12.9%; Score 9.4; DB 1; Length 13;
 Best Local Similarity 90.9%; Pred. No. 1.3e+03;
 Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 913 TTGGTCTTTG 923
 Db 2 TTGGTTTATG 12

RESULT 2453
 ABH60733/C
 ID ABH60733 standard; DNA; 13 BP.

XX AC ABH60733;

XX DT 22-FEB-2002 (first entry)

XX DE Oligonucleotide SEQ ID NO 260710 for detecting SNP TSC0007575.

XX SNF; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
 KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
 KW central nervous system; gastrointestinal; respiratory; immune; metabolic.

XX OS Homo sapiens.

XX PN WO200177384-A2.

XX PD 18-OCT-2001.

XX PF 06-APR-2001; 2001WO-IB000713.

XX PR 07-APR-2000; 2000DE-01019173.

XX PA (EPIG-) EPIGENOMICS AG.

XX PI Olek A, Piepenbrock C, Berlin K;

XX WPI; 2001-657177/75.

XX Set of oligonucleotides, useful for diagnosis and cell typing, is
 PT designed to detect single-nucleotide polymorphisms and cytosine
 PT methylation status.

XX Claim 1; SEQ ID NO 260710; 29pp + Sequence Listing; German.

XX This invention describes novel oligonucleotide primers or peptide nucleic
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
 CC and cytosine methylation status in chemically pretreated genomic DNA. The
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
 CC range of diseases including immune system, gastrointestinal, respiratory,
 CC central nervous system, cardiovascular and metabolic disorders. The
 CC oligomers are also used for detecting cell type differentiation. ABC00010
 CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
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 CC ftp.wipo.int/pub/published_pct_sequences

XX SQ Sequence 13 BP; 8 A; 3 C; 0 G; 2 T; 0 U; 0 Other;

Query Match 12.9%; Score 9.4; DB 1; Length 13;
 Best Local Similarity 90.9%; Pred. No. 1.3e+03;
 Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 944 TTGGTTTATG 954
 Db 12 TTGGTTTATG 2

RESULT 2454
 ABC42528

DR WPI; 2001-657177/75.
 XX Set of oligonucleotides, useful for diagnosis and cell typing, is
 PT designed to detect single-nucleotide polymorphisms and cytosine
 PT methylation status.
 PS Claim 1; SEQ ID NO 99616; 29pp + Sequence Listing; German.
 XX
 CC This invention describes novel oligonucleotide primers or peptide nucleic
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
 CC and cytosine methylation status in chemically pretreated genomic DNA. The
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
 CC range of diseases including immune system, gastrointestinal, respiratory,
 CC central nervous system, cardiovascular and metabolic disorders. The
 CC oligomers are also used for detecting cell type differentiation. ABC00010
 CC -ABG9989, ABF00010-ABF9989, ABH00010-ABH9989 and AB100010-AB182073
 CC represent the oligomers described in the invention. NOTE: The sequence
 CC data for this patent did not form part of the printed specification, but
 CC was obtained in electronic format from WIPO at
 CC ftp.wipo.int/pub/published_pct_sequences
 XX
 SQ Sequence 13 BP; 5 A; 4 C; 1 G; 3 T; 0 U; 0 Other;
 Query Match 12.9%; Score 9.4; DB 1; Length 13;
 Best Local Similarity 90.9%; Pred. No. 1.3e+03;
 Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
 XX
 QY 946 GGTTTAATGTA 956
 Db 12 GGTTTAATGTA 2
 RESULT 2457
 ABF02161/c
 ID ABF02161 standard; DNA; 13 BP.
 XX
 AC ABF02161;
 XX
 DT 21-FEB-2002 (first entry)
 XX
 DE Oligonucleotide SEQ ID NO 102158 for detecting SNP TSC0025451.
 XX
 KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
 KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
 KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
 XX
 OS Homo sapiens.
 XX
 PN WO200177384-A2.
 XX
 PD 18-OCT-2001.
 XX
 PF 06-APR-2001; 2001WO-IB000713.
 XX
 PR 07-APR-2000; 2000DE-01019173.
 XX
 PA (EPIG-) EPIGENOMICS AG.
 XX
 PI Olek A, Piepenbrock C, Berlin K;
 XX
 DR WPI; 2001-657177/75.
 XX
 XX Set of oligonucleotides, useful for diagnosis and cell typing, is
 PT designed to detect single-nucleotide polymorphisms and cytosine
 PT methylation status.
 PS Claim 1; SEQ ID NO 102158; 29pp + Sequence Listing; German.
 XX
 CC This invention describes novel oligonucleotide primers or peptide nucleic
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
 CC and cytosine methylation status in chemically pretreated genomic DNA. The
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
 CC range of diseases including immune system, gastrointestinal, respiratory,
 CC central nervous system, cardiovascular and metabolic disorders. The
 CC oligomers are also used for detecting cell type differentiation. ABC00010
 CC -ABG9989, ABF00010-ABF9989, ABH00010-ABH9989 and AB100010-AB182073
 CC represent the oligomers described in the invention. NOTE: The sequence
 CC data for this patent did not form part of the printed specification, but
 CC was obtained in electronic format from WIPO at
 CC ftp.wipo.int/pub/published_pct_sequences
 XX
 SQ Sequence 13 BP; 5 A; 4 C; 1 G; 3 T; 0 U; 0 Other;
 Query Match 12.9%; Score 9.4; DB 1; Length 13;
 Best Local Similarity 90.9%; Pred. No. 1.3e+03;
 Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
 XX
 QY 946 GGTTTAATGTA 956
 Db 12 GGTTTAATGTA 2
 RESULT 2457
 ABF02161/c
 ID ABF02161 standard; DNA; 13 BP.
 XX
 AC ABF02161;
 XX
 DT 21-FEB-2002 (first entry)
 XX
 DE Oligonucleotide SEQ ID NO 102158 for detecting SNP TSC0025451.
 XX
 KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
 KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
 KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
 XX
 OS Homo sapiens.
 XX
 PN WO200177384-A2.
 XX
 PD 18-OCT-2001.
 XX
 PF 06-APR-2001; 2001WO-IB000713.
 XX
 PR 07-APR-2000; 2000DE-01019173.
 XX
 PA (EPIG-) EPIGENOMICS AG.
 XX
 PI Olek A, Piepenbrock C, Berlin K;
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 DR WPI; 2001-657177/75.
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 XX Set of oligonucleotides, useful for diagnosis and cell typing, is
 PT designed to detect single-nucleotide polymorphisms and cytosine
 PT methylation status.
 PS Claim 1; SEQ ID NO 102158; 29pp + Sequence Listing; German.
 XX
 CC This invention describes novel oligonucleotide primers or peptide nucleic
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
 CC and cytosine methylation status in chemically pretreated genomic DNA. The
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
 CC range of diseases including immune system, gastrointestinal, respiratory,

CC central nervous system, cardiovascular and metabolic disorders. The
 CC oligomers are also used for detecting cell type differentiation. ABC00010
 CC -ABG9989, ABF00010-ABF9989, ABH00010-ABH9989 and AB100010-AB182073
 CC represent the oligomers described in the invention. NOTE: The sequence
 CC data for this patent did not form part of the printed specification, but
 CC was obtained in electronic format from WIPO at
 CC ftp.wipo.int/pub/published_pct_sequences
 XX
 SQ Sequence 13 BP; 8 A; 2 C; 0 G; 3 T; 0 U; 0 Other;
 Query Match 12.9%; Score 9.4; DB 1; Length 13;
 Best Local Similarity 90.9%; Pred. No. 1.3e+03;
 Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
 XX
 QY 947 GGTTTAATGTA 957
 Db 13 GGTTTAATGTA 3
 RESULT 2458
 ABC27331/c
 ID ABC27331 standard; DNA; 13 BP.
 XX
 AC ABC27331;
 XX
 DT 20-FEB-2002 (first entry)
 XX
 DE Oligonucleotide SEQ ID NO 27348 for detecting SNP TSC0007513.
 XX
 KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
 KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
 KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
 XX
 OS Homo sapiens.
 XX
 PN WO200177384-A2.
 XX
 PD 18-OCT-2001.
 XX
 PF 06-APR-2001; 2001WO-IB000713.
 XX
 PR 07-APR-2000; 2000DE-01019173.
 XX
 PA (EPIG-) EPIGENOMICS AG.
 XX
 PI Olek A, Piepenbrock C, Berlin K;
 XX
 DR WPI; 2001-657177/75.
 XX
 XX Set of oligonucleotides, useful for diagnosis and cell typing, is
 PT designed to detect single-nucleotide polymorphisms and cytosine
 PT methylation status.
 PS Claim 1; SEQ ID NO 27348; 29pp + Sequence Listing; German.
 XX
 CC This invention describes novel oligonucleotide primers or peptide nucleic
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
 CC and cytosine methylation status in chemically pretreated genomic DNA. The
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
 CC range of diseases including immune system, gastrointestinal, respiratory,
 CC central nervous system, cardiovascular and metabolic disorders. The
 CC oligomers are also used for detecting cell type differentiation. ABC00010
 CC -ABG9989, ABF00010-ABF9989, ABH00010-ABH9989 and AB100010-AB182073
 CC represent the oligomers described in the invention. NOTE: The sequence
 CC data for this patent did not form part of the printed specification, but
 CC was obtained in electronic format from WIPO at
 CC ftp.wipo.int/pub/published_pct_sequences
 XX
 SQ Sequence 13 BP; 5 A; 5 C; 0 G; 2 T; 0 U; 1 Other;
 Query Match 12.9%; Score 9.4; DB 1; Length 13;
 Best Local Similarity 76.9%; Pred. No. 1.3e+03;
 Matches 10; Conservative 1; Mismatches 2; Indels 0; Gaps 0;


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PF 06-APR-2001; 2001WO-IB0000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
XX WPI; 2001-657177/75.
XX
PT Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
PS Claim 1; SEQ ID NO 30479; 29pp + Sequence Listing; German.
XX
XX This invention describes novel oligonucleotide primers or peptide nucleic
XX acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
XX and cytosine methylation status in chemically pretreated genomic DNA. The
XX oligonucleotides are used for diagnosis and/or prognosis of cancer and a
XX range of diseases including immune system, gastrointestinal, respiratory,
XX central nervous system, cardiovascular and metabolic disorders. The
XX oligomers are also used for detecting cell type differentiation. ABC00010
XX -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
XX represent the oligomers described in the invention. NOTE: The sequence
XX data for this patent did not form part of the printed specification, but
XX ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 13 BP; 3 A; 0 C; 2 G; 7 T; 0 U; 1 Other;
Query Match 12.9%; Score 9.4; DB 1; Length 13;
Best Local Similarity 76.9%; Pred. No. 1.3e-03;
Matches 10; Conservative 1; Mismatches 2; Indels 0; Gaps 0;
QY 938 TCTTCATTGGTTT 950
DB 1 TATTAAATGGTTT 13
RESULT 2462
ID ABF05985
XX ABF05985 standard; DNA; 13 BP.
XX
AC ABF05985;
XX
XX 21-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 105982 for detecting SNP TSC0026556.
XX
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
XX WO200177384-A2.
XX
XX 18-OCT-2001.
XX
XX 06-APR-2001; 2001WO-IB0000713.
XX
XX 07-APR-2000; 2000DE-01019173.
XX
XX (EPIG-) EPIGENOMICS AG.
XX
XX Olek A, Piepenbrock C, Berlin K;
XX
XX WPI; 2001-657177/75.
XX
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
XX designed to detect single-nucleotide polymorphisms and cytosine
XX methylation status.
XX
PF 06-APR-2001; 2001WO-IB0000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
XX WPI; 2001-657177/75.
XX
PT Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
PS Claim 1; SEQ ID NO 105982; 29pp + Sequence Listing; German.
XX
XX This invention describes novel oligonucleotide primers or peptide nucleic
XX acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
XX and cytosine methylation status in chemically pretreated genomic DNA. The
XX oligonucleotides are used for diagnosis and/or prognosis of cancer and a
XX range of diseases including immune system, gastrointestinal, respiratory,
XX central nervous system, cardiovascular and metabolic disorders. The
XX oligomers are also used for detecting cell type differentiation. ABC00010
XX -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
XX represent the oligomers described in the invention. NOTE: The sequence
XX data for this patent did not form part of the printed specification, but
XX ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 13 BP; 2 A; 4 C; 0 G; 7 T; 0 U; 0 Other;
Query Match 12.9%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 1.3e-03;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
QY 922 TGCCTTTTATC 932
DB 2 TACCTTTTATC 12
RESULT 2463
ID ABC81438/c
XX ABC81438 standard; DNA; 13 BP.
XX
AC ABC81438;
XX
XX 21-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 81455 for detecting SNP TSC0020625.
XX
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
XX WO200177384-A2.
XX
XX 18-OCT-2001.
XX
XX 06-APR-2001; 2001WO-IB0000713.
XX
XX 07-APR-2000; 2000DE-01019173.
XX
XX (EPIG-) EPIGENOMICS AG.
XX
XX Olek A, Piepenbrock C, Berlin K;
XX
XX WPI; 2001-657177/75.
XX
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
XX designed to detect single-nucleotide polymorphisms and cytosine
XX methylation status.
XX
PS Claim 1; SEQ ID NO 81455; 29pp + Sequence Listing; German.
XX
XX This invention describes novel oligonucleotide primers or peptide nucleic
XX acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
XX and cytosine methylation status in chemically pretreated genomic DNA. The
XX oligonucleotides are used for diagnosis and/or prognosis of cancer and a
XX range of diseases including immune system, gastrointestinal, respiratory,
XX central nervous system, cardiovascular and metabolic disorders. The
XX oligomers are also used for detecting cell type differentiation. ABC00010
XX -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
XX represent the oligomers described in the invention. NOTE: The sequence
XX data for this patent did not form part of the printed specification, but
XX ftp.wipo.int/pub/published_pct_sequences
XX
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CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences

XX Sequence 13 BP; 7 A; 0 C; 4 G; 2 T; 0 U; 0 Other;

Query Match 12.9%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 1.3e+03;

Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 935 TCCTCTTCATT 945

Db 13 TCCTCTTCATT 3

RESULT 2464

ABC58137/C
ID ABC58137 standard; DNA; 13 BP.

XX AC ABC58137;

XX DT 21-FEB-2002 (first entry)

XX DE Oligonucleotide SEQ ID NO 58154 for detecting SNP TSC0015616.

XX KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;

XX KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;

XX KW central nervous system; gastrointestinal; respiratory; immune; metabolic.

XX OS Homo sapiens.

XX PN WO200177384-A2.

XX PD 18-OCT-2001.

XX PF 06-APR-2001; 2001WO-IB000713.

XX PR 07-APR-2000; 2000DE-01019173.

XX PA (EPIG-) EPIGENOMICS AG.

XX PI Olek A, Piepenbrock C, Berlin K;

XX DR WPI; 2001-657177/75.

XX Set of oligonucleotides, useful for diagnosis and cell typing, is

PT designed to detect single-nucleotide polymorphisms and cytosine

PT methylation status.

XX Claim 1; SEQ ID NO 58154; 29pp + Sequence Listing; German.

XX This invention describes novel oligonucleotide primers or peptide nucleic

CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)

CC and cytosine methylation status in chemically pretreated genomic DNA. The

CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a

CC range of diseases including immune system, gastrointestinal, respiratory,

CC central nervous system, cardiovascular and metabolic disorders. The

CC oligomers are also used for detecting cell type differentiation. ABC00010

CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073

CC represent the oligomers described in the invention. NOTE: The sequence

CC data for this patent did not form part of the printed specification, but

CC was obtained in electronic format from WIPO at

CC ftp.wipo.int/pub/published_pct_sequences

XX Sequence 13 BP; 8 A; 3 C; 0 G; 2 T; 0 U; 0 Other;

Query Match 12.9%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 1.3e+03;

Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 947 GTTTAATGTTAT 957

Db 13 GTTTAATGTTAT 3

RESULT 2465

ABC09267
ID ABC09267 standard; DNA; 13 BP.

XX AC ABC09267;

XX DT 20-FEB-2002 (first entry)

XX DE Oligonucleotide SEQ ID NO 9258 for detecting SNP TSC0002455.

XX KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;

XX KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;

XX KW central nervous system; gastrointestinal; respiratory; immune; metabolic.

XX OS Homo sapiens.

XX PN WO200177384-A2.

XX PD 18-OCT-2001.

XX PF 06-APR-2001; 2001WO-IB000713.

XX PR 07-APR-2000; 2000DE-01019173.

XX PA (EPIG-) EPIGENOMICS AG.

XX PI Olek A, Piepenbrock C, Berlin K;

XX DR WPI; 2001-657177/75.

XX Set of oligonucleotides, useful for diagnosis and cell typing, is

PT designed to detect single-nucleotide polymorphisms and cytosine

PT methylation status.

XX Claim 1; SEQ ID NO 9258; 29pp + Sequence Listing; German.

XX This invention describes novel oligonucleotide primers or peptide nucleic

CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)

CC and cytosine methylation status in chemically pretreated genomic DNA. The

CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a

CC range of diseases including immune system, gastrointestinal, respiratory,

CC central nervous system, cardiovascular and metabolic disorders. The

CC oligomers are also used for detecting cell type differentiation. ABC00010

CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073

CC represent the oligomers described in the invention. NOTE: The sequence

CC data for this patent did not form part of the printed specification, but

CC was obtained in electronic format from WIPO at

CC ftp.wipo.int/pub/published_pct_sequences

XX Sequence 13 BP; 1 A; 7 C; 0 G; 5 T; 0 U; 0 Other;

Query Match 12.9%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 1.3e+03;

Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 927 TTTATCCCTCC 937

Db 1 TTTATCCCTCC 11

RESULT 2466

ABC85620
ID ABC85620 standard; DNA; 13 BP.

XX AC ABC85620;

XX DT 21-FEB-2002 (first entry)

XX DE Oligonucleotide SEQ ID NO 85637 for detecting SNP TSC0021525.

XX KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;

XX KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;

KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX Homo sapiens.
XX WO200177384-A2.
XX 18-OCT-2001.
XX 06-APR-2001; 2001WO-IB000713.
XX 07-APR-2000; 2000DE-01019173.
XX (EPIG-) EPIGENOMICS AG.
XX Olek A, Piepenbrock C, Berlin K;
XX WPI; 2001-657177/75.
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX Claim 1; SEQ ID NO 85637; 29pp + Sequence Listing; German.
XX This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI02073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
XX SQ Sequence 13 BP; 4 A; 0 C; 2 G; 6 T; 0 U; 1 Other;
Query Match 12.9%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 1.3e+03;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
QY 943 ATTGGTTTAAAT 953
DB 2 ATTAGTTTAAAT 12
RESULT 2467
ABC85826
ID ABC85826 standard; DNA; 13 BP.
XX
XX AC ABC85826;
XX
XX DT 21-FEB-2002 (first entry)
XX
XX DE Oligonucleotide SEQ ID NO 85843 for detecting SNP TSC0021564.
XX
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
XX OS Homo sapiens.
XX
XX PN WO200177384-A2.
XX
XX PD 18-OCT-2001.
XX
XX PF 06-APR-2001; 2001WO-IB000713.
XX
XX PR 07-APR-2000; 2000DE-01019173.
XX
XX XX (EPIG-) EPIGENOMICS AG.

XX Olek A, Piepenbrock C, Berlin K;
XX WPI; 2001-657177/75.
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX Claim 1; SEQ ID NO 85843; 29pp + Sequence Listing; German.
XX This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI02073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
XX SQ Sequence 13 BP; 0 A; 0 C; 3 G; 10 T; 0 U; 0 Other;
Query Match 12.9%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 1.3e+03;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
QY 908 TTTTCTTTGGT 918
DB 1 TTTTCTTTGGT 11
RESULT 2468
ABC37800
ID ABC37800 standard; DNA; 13 BP.
XX
XX AC ABC37800;
XX
XX DT 20-FEB-2002 (first entry)
XX
XX DE Oligonucleotide SEQ ID NO 37817 for detecting SNP TSC0011747.
XX
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
XX OS Homo sapiens.
XX
XX PN WO200177384-A2.
XX
XX PD 18-OCT-2001.
XX
XX PF 06-APR-2001; 2001WO-IB000713.
XX
XX PR 07-APR-2000; 2000DE-01019173.
XX
XX PA (EPIG-) EPIGENOMICS AG.
XX
XX PI Olek A, Piepenbrock C, Berlin K;
XX
XX DR WPI; 2001-657177/75.
XX
XX PT Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX Claim 1; SEQ ID NO 37817; 29pp + Sequence Listing; German.
XX This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)

CC and cytosine methylation status in chemically pretreated genomic DNA. The
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
 CC range of diseases including immune system, gastrointestinal, respiratory,
 CC central nervous system, cardiovascular and metabolic disorders. The
 CC oligomers are also used for detecting cell type differentiation. ABC00010
 CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
 CC represent the oligomers described in the invention. NOTE: The sequence
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 CC ftp.wipo.int/pub/published_pct_sequences
 XX
 SQ Sequence 13 BP; 3 A; 0 C; 2 G; 8 T; 0 U; 0 Other;

Query Match 12.9%; Score 9.4; DB 1; Length 13;
 Best Local Similarity 90.9%; Pred. No. 1.3e+03;
 Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 907 ATTTCCTTGG 917
 |||||
 Db 2 ATTTCCTTGG 12

RESULT 2469
 ABC39738
 ID ABC39738 standard; DNA; 13 BP.
 XX
 AC ABC39738;
 XX
 DT 20-FEB-2002 (first entry)
 XX
 DE Oligonucleotide SEQ ID NO 39755 for detecting SNP TSC0012139.
 XX
 KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
 KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
 KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
 XX
 OS Homo sapiens.
 XX
 PN WO200177384-A2.
 XX
 PD 18-OCT-2001.
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 PF 06-APR-2001; 2001WO-IB000713.
 XX
 PR 07-APR-2000; 2000DE-01019173.
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 FN WO200177384-A2.
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 PF 06-APR-2001; 2001WO-IB000713.
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 PI Olek A, Piepenbrock C, Berlin K;
 XX
 DR WPI; 2001-657177/75.
 XX

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 PT designed to detect single-nucleotide polymorphisms and cytosine
 PT methylation status.
 XX
 FS Claim 1; SEQ ID NO 39755; 29pp + Sequence Listing; German.
 XX
 CC This invention describes novel oligonucleotide primers or peptide nucleic
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
 CC and cytosine methylation status in chemically pretreated genomic DNA. The
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
 CC range of diseases including immune system, gastrointestinal, respiratory,
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 CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
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 XX

Sequence 13 BP; 2 A; 0 C; 2 G; 8 T; 0 U; 1 Other;

Query Match 12.9%; Score 9.4; DB 1; Length 13;
 Best Local Similarity 76.9%; Pred. No. 1.3e+03;
 Matches 10; Conservative 1; Mismatches 2; Indels 0; Gaps 0;

QY 910 TTCTTTGGTCTTT 922
 |||||
 Db 1 TTATTGGTATTY 13

RESULT 2470
 ABC40251
 ID ABC40251 standard; DNA; 13 BP.
 XX
 AC ABC40251;
 XX
 DT 21-FEB-2002 (first entry)
 XX
 DE Oligonucleotide SEQ ID NO 40268 for detecting SNP TSC0012231.
 XX
 KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
 KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
 KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
 XX
 OS Homo sapiens.
 XX
 PN WO200177384-A2.
 XX
 PD 18-OCT-2001.
 XX
 PF 06-APR-2001; 2001WO-IB000713.
 XX
 PR 07-APR-2000; 2000DE-01019173.
 XX
 PA (EPIG-) EPIGENOMICS AG.
 XX
 PI Olek A, Piepenbrock C, Berlin K;
 XX
 DR WPI; 2001-657177/75.
 XX

Set of oligonucleotides, useful for diagnosis and cell typing, is
 PT designed to detect single-nucleotide polymorphisms and cytosine
 PT methylation status.
 XX
 FS Claim 1; SEQ ID NO 40268; 29pp + Sequence Listing; German.
 XX
 CC This invention describes novel oligonucleotide primers or peptide nucleic
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
 CC and cytosine methylation status in chemically pretreated genomic DNA. The
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
 CC range of diseases including immune system, gastrointestinal, respiratory,
 CC central nervous system, cardiovascular and metabolic disorders. The
 CC oligomers are also used for detecting cell type differentiation. ABC00010
 CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
 CC represent the oligomers described in the invention. NOTE: The sequence
 CC data for this patent did not form part of the printed specification, but
 CC was obtained in electronic format from WIPO at
 CC ftp.wipo.int/pub/published_pct_sequences
 XX

Sequence 13 BP; 4 A; 4 C; 1 G; 4 T; 0 U; 0 Other;

Query Match 12.9%; Score 9.4; DB 1; Length 13;
 Best Local Similarity 90.9%; Pred. No. 1.3e+03;
 Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 955 TATCGCTACCA 965
 |||||
 Db 3 TATCGCTACCA 13

RESULT 2471
 ABF15751/c
 ID ABF15751 standard; DNA; 13 BP.
 XX
 AC ABF15751;
 XX
 DT 20-FEB-2002 (first entry)
 XX
 DE Oligonucleotide SEQ ID NO 40268 for detecting SNP TSC0012231.
 XX
 KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
 KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
 KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
 XX
 OS Homo sapiens.
 XX
 PN WO200177384-A2.
 XX
 PD 18-OCT-2001.
 XX
 PF 06-APR-2001; 2001WO-IB000713.
 XX
 PR 07-APR-2000; 2000DE-01019173.
 XX
 PA (EPIG-) EPIGENOMICS AG.
 XX
 PI Olek A, Piepenbrock C, Berlin K;
 XX
 DR WPI; 2001-657177/75.
 XX

Set of oligonucleotides, useful for diagnosis and cell typing, is
 PT designed to detect single-nucleotide polymorphisms and cytosine
 PT methylation status.
 XX
 FS Claim 1; SEQ ID NO 39755; 29pp + Sequence Listing; German.
 XX
 CC This invention describes novel oligonucleotide primers or peptide nucleic
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
 CC and cytosine methylation status in chemically pretreated genomic DNA. The
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
 CC range of diseases including immune system, gastrointestinal, respiratory,
 CC central nervous system, cardiovascular and metabolic disorders. The
 CC oligomers are also used for detecting cell type differentiation. ABC00010
 CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
 CC represent the oligomers described in the invention. NOTE: The sequence
 CC data for this patent did not form part of the printed specification, but
 CC was obtained in electronic format from WIPO at
 CC ftp.wipo.int/pub/published_pct_sequences
 XX

Sequence 13 BP; 2 A; 0 C; 2 G; 8 T; 0 U; 1 Other;

AC ABF15751;
 XX
 XX
 DT 21-FEB-2002 (first entry)
 XX
 XX
 DE Oligonucleotide SEQ ID NO 115748 for detecting SNP TSC0029020.
 XX
 XX
 KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
 KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
 KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
 XX
 XX
 OS Homo sapiens.
 XX
 XX
 PN WO200177384-A2.
 XX
 XX
 PD 18-OCT-2001.
 XX
 XX
 PF 06-APR-2001; 2001WO-IB000713.
 XX
 XX
 PR 07-APR-2000; 2000DE-01019173.
 XX
 XX
 PA (EPIG-) EPIGENOMICS AG.
 XX
 XX
 PI Olek A, Piepenbrock C, Berlin K;
 XX
 XX
 DR WPI; 2001-657177/75.
 XX
 XX
 PT Set of oligonucleotides, useful for diagnosis and cell typing, is
 PT designed to detect single-nucleotide polymorphisms and cytosine
 PT methylation status.
 XX
 XX
 PS Claim 1; SEQ ID NO 115748; 29pp + Sequence Listing; German.
 XX
 XX
 CC This invention describes novel oligonucleotide primers or peptide nucleic
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
 CC and cytosine methylation status in chemically pretreated genomic DNA. The
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
 CC range of diseases including immune system, gastrointestinal, respiratory,
 CC central nervous system, cardiovascular and metabolic disorders. The
 CC oligomers are also used for detecting cell type differentiation. ABC00010
 CC -ABC9989, ABF00010-ABF9989, ABH00010-ABH9989 and ABI00010-ABI82073
 CC represent the oligomers described in the invention. NOTE: The sequence
 CC data for this patent did not form part of the printed specification, but
 CC was obtained in electronic format from WIPO at
 CC ftp.wipo.int/pub/published_pct_sequences
 XX
 XX
 SQ Sequence 13 BP; 10 A; 3 C; 0 G; 0 T; 0 U; 0 Other;
 XX
 XX
 Query Match 12.9%; Score 9.4; DB 1; Length 13;
 Best Local Similarity 90.9%; Pred. No. 1.3e+03; Indels 0; Gaps 0;
 Matches 10; Conservative 0; Mismatches 1;
 QY 908 TTTTCTTGGT 918
 DB 12 TTTTGTGGT 2
 RESULT 2472
 ABC42114
 ID ABC42114 standard; DNA; 13 BP.
 XX
 XX
 AC ABC42114;
 XX
 XX
 DT 21-FEB-2002 (first entry)
 XX
 XX
 DE Oligonucleotide SEQ ID NO 42131 for detecting SNP TSC0012592.
 XX
 XX
 KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
 KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
 KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
 XX
 XX
 OS Homo sapiens.
 XX
 XX
 PN WO200177384-A2.

XX
 XX
 PD 18-OCT-2001.
 XX
 XX
 PF 06-APR-2001; 2001WO-IB000713.
 XX
 XX
 PR 07-APR-2000; 2000DE-01019173.
 XX
 XX
 PA (EPIG-) EPIGENOMICS AG.
 XX
 XX
 PI Olek A, Piepenbrock C, Berlin K;
 XX
 XX
 DR WPI; 2001-657177/75.
 XX
 XX
 PT Set of oligonucleotides, useful for diagnosis and cell typing, is
 PT designed to detect single-nucleotide polymorphisms and cytosine
 PT methylation status.
 XX
 XX
 PS Claim 1; SEQ ID NO 42131; 29pp + Sequence Listing; German.
 XX
 XX
 CC This invention describes novel oligonucleotide primers or peptide nucleic
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
 CC and cytosine methylation status in chemically pretreated genomic DNA. The
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
 CC range of diseases including immune system, gastrointestinal, respiratory,
 CC central nervous system, cardiovascular and metabolic disorders. The
 CC oligomers are also used for detecting cell type differentiation. ABC00010
 CC -ABC9989, ABF00010-ABF9989, ABH00010-ABH9989 and ABI00010-ABI82073
 CC represent the oligomers described in the invention. NOTE: The sequence
 CC data for this patent did not form part of the printed specification, but
 CC was obtained in electronic format from WIPO at
 CC ftp.wipo.int/pub/published_pct_sequences
 XX
 XX
 SQ Sequence 13 BP; 1 A; 0 C; 4 G; 7 T; 0 U; 1 Other;
 XX
 XX
 Query Match 12.9%; Score 9.4; DB 1; Length 13;
 Best Local Similarity 76.9%; Pred. No. 1.3e+03; Indels 0; Gaps 0;
 Matches 10; Conservative 1; Mismatches 2;
 QY 946 GGTTTAATGTATC 958
 DB 1 GGTTTGATGTTT 13
 RESULT 2473
 ABC66733/C
 ID ABC66733 standard; DNA; 13 BP.
 XX
 XX
 AC ABC66733;
 XX
 XX
 DT 21-FEB-2002 (first entry)
 XX
 XX
 DE Oligonucleotide SEQ ID NO 66750 for detecting SNP TSC0017501.
 XX
 XX
 KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
 KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
 KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
 XX
 XX
 OS Homo sapiens.
 XX
 XX
 PN WO200177384-A2.
 XX
 XX
 PD 18-OCT-2001.
 XX
 XX
 PF 06-APR-2001; 2001WO-IB000713.
 XX
 XX
 PR 07-APR-2000; 2000DE-01019173.
 XX
 XX
 PA (EPIG-) EPIGENOMICS AG.
 XX
 XX
 PI Olek A, Piepenbrock C, Berlin K;
 XX
 XX
 DR WPI; 2001-657177/75.
 XX
 XX

PT Set of oligonucleotides, useful for diagnosis and cell typing, is
 PT designed to detect single-nucleotide polymorphisms and cytosine
 PT methylation status.

PS Claim 1; SEQ ID NO 66750; 29pp + Sequence Listing; German.

XX This invention describes novel oligonucleotide primers or peptide nucleic
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
 CC and cytosine methylation status in chemically pretreated genomic DNA. The
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
 CC range of diseases including immune system, gastrointestinal, respiratory,
 CC central nervous system, cardiovascular and metabolic disorders. The
 CC oligomers are also used for detecting cell type differentiation. ABC00010
 CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
 CC represent the oligomers described in the invention. NOTE: The sequence
 CC data for this patent did not form part of the printed specification, but
 CC was obtained in electronic format from WIPO at
 CC ftp.wipo.int/pub/published_pct_sequences

XX Sequence 13 BP; 9 A; 2 C; 0 G; 2 T; 0 U; 0 Other;

XX Query Match 12.9%; Score 9.4; DB 1; Length 13;
 XX Best Local Similarity 90.9%; Pred. No. 1.3e+03;
 XX Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 947 GTTAAATGAT 957

Db 12 GTTAAATGTT 2

RESULT 2474

ABF19574/C

ID ABF19574 standard; DNA; 13 BP.

AC ABF19574;

XX 21-FEB-2002 (first entry)

XX Oligonucleotide SEQ ID NO 119571 for detecting SNP TSC0029845.

XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
 XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
 XX central nervous system; gastrointestinal; respiratory; immune; metabolic.

XX Homo sapiens.

XX WO200177384-A2.

XX 18-OCT-2001.

XX 06-APR-2001; 2001WO-IB000713.

XX 07-APR-2000; 2000DE-01019173.

XX (EPIG-) EPIGENOMICS AG.

XX Olek A, Piepenbrock C, Berlin K;

XX WPI; 2001-657177/75.

XX Set of oligonucleotides, useful for diagnosis and cell typing, is
 PT designed to detect single-nucleotide polymorphisms and cytosine
 PT methylation status.

XX Claim 1; SEQ ID NO 119571; 29pp + Sequence Listing; German.

XX This invention describes novel oligonucleotide primers or peptide nucleic
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
 CC and cytosine methylation status in chemically pretreated genomic DNA. The
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
 CC range of diseases including immune system, gastrointestinal, respiratory,
 CC central nervous system, cardiovascular and metabolic disorders. The
 CC oligomers are also used for detecting cell type differentiation. ABC00010

CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
 CC represent the oligomers described in the invention. NOTE: The sequence
 CC data for this patent did not form part of the printed specification, but
 CC was obtained in electronic format from WIPO at
 CC ftp.wipo.int/pub/published_pct_sequences

XX Sequence 13 BP; 4 A; 1 C; 5 G; 2 T; 0 U; 1 Other;

XX Query Match 12.9%; Score 9.4; DB 1; Length 13;
 XX Best Local Similarity 90.9%; Pred. No. 1.3e+03;
 XX Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 934 CTCCTCTTCAT 944

Db 11 CTCCTCTTCAT 1

RESULT 2475

ABF20582

ID ABF20582 standard; DNA; 13 BP.

AC ABF20582;

XX 21-FEB-2002 (first entry)

XX Oligonucleotide SEQ ID NO 120579 for detecting SNP TSC0030084.

XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
 XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
 XX central nervous system; gastrointestinal; respiratory; immune; metabolic.

XX Homo sapiens.

XX WO200177384-A2.

XX 18-OCT-2001.

XX 06-APR-2001; 2001WO-IB000713.

XX 07-APR-2000; 2000DE-01019173.

XX (EPIG-) EPIGENOMICS AG.

XX Olek A, Piepenbrock C, Berlin K;

XX WPI; 2001-657177/75.

XX Set of oligonucleotides, useful for diagnosis and cell typing, is
 PT designed to detect single-nucleotide polymorphisms and cytosine
 PT methylation status.

XX Claim 1; SEQ ID NO 120579; 29pp + Sequence Listing; German.

XX This invention describes novel oligonucleotide primers or peptide nucleic
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
 CC and cytosine methylation status in chemically pretreated genomic DNA. The
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
 CC range of diseases including immune system, gastrointestinal, respiratory,
 CC central nervous system, cardiovascular and metabolic disorders. The
 CC oligomers are also used for detecting cell type differentiation. ABC00010
 CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
 CC represent the oligomers described in the invention. NOTE: The sequence
 CC data for this patent did not form part of the printed specification, but
 CC was obtained in electronic format from WIPO at
 CC ftp.wipo.int/pub/published_pct_sequences

XX Sequence 13 BP; 3 A; 0 C; 1 G; 9 T; 0 U; 0 Other;

XX Query Match 12.9%; Score 9.4; DB 1; Length 13;
 XX Best Local Similarity 90.9%; Pred. No. 1.3e+03;
 XX Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 947 GTTAAATGAT 957

XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
 KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
 KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
 XX
 OS Homo sapiens.
 XX
 XX WO200177384-A2.
 XX
 XX PD 18-OCT-2001.
 XX
 XX 06-APR-2001; 2001WO-IB000713.
 XX
 XX 07-APR-2000; 2000DE-01019173.
 XX (EPIG-) EPIGENOMICS AG.
 XX Olek A, Piepenbrock C, Berlin K;
 XX WPI; 2001-657177/75.
 XX
 XX Set of oligonucleotides, useful for diagnosis and cell typing, is
 PT designed to detect single-nucleotide polymorphisms and cytosine
 PT methylation status.
 XX
 XX Claim 1; SEQ ID NO 128732; 29pp + Sequence Listing; German.
 XX
 XX This invention describes novel oligonucleotide primers or peptide nucleic
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
 CC and cytosine methylation status in chemically pretreated genomic DNA. The
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
 CC range of diseases including immune system, gastrointestinal, respiratory,
 CC central nervous system, cardiovascular and metabolic disorders. The
 CC oligomers are also used for detecting cell type differentiation. ABC00010
 CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
 CC represent the oligomers described in the invention. NOTE: The sequence
 CC data for this patent did not form part of the printed specification, but
 CC was obtained in electronic format from WIPO at
 CC ftp.wipo.int/pub/published_pct_sequences
 XX
 XX SQ Sequence 13 BP; 9 A; 2 C; 0 G; 1 T; 0 U; 1 Other;
 Query Match 12.9%; Score 9.4; DB 1; Length 13;
 Best Local Similarity 76.9%; Pred. No. 1.3e+03;
 Matches 10; Conservative 1; Mismatches 2; Indels 0; Gaps 0;
 Qy 920 TTTCCTTTTATC 932
 Db 13 TTTCCTTTTATC 1
 RESULT 2476
 ABF32538/C
 ID ABF32538 standard; DNA; 13 BP.
 XX
 XX AC ABF32538;
 XX
 XX 21-FEB-2002 (first entry)
 XX
 XX Oligonucleotide SEQ ID NO 132535 for detecting SNP TSC0033059.
 XX
 XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
 KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
 KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
 XX
 OS Homo sapiens.
 XX
 XX WO200177384-A2.
 XX
 XX PD 18-OCT-2001.
 XX
 XX 06-APR-2001; 2001WO-IB000713.
 XX

Db 2 GTTTAATTAT 12
 RESULT 2476
 ABF25462
 ID ABF25462 standard; DNA; 13 BP.
 XX
 XX AC ABF25462;
 XX
 XX 21-FEB-2002 (first entry)
 XX
 XX Oligonucleotide SEQ ID NO 125459 for detecting SNP TSC0031370.
 XX
 XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
 KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
 KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
 XX
 OS Homo sapiens.
 XX
 XX WO200177384-A2.
 XX
 XX PD 18-OCT-2001.
 XX
 XX 06-APR-2001; 2001WO-IB000713.
 XX
 XX 07-APR-2000; 2000DE-01019173.
 XX (EPIG-) EPIGENOMICS AG.
 XX Olek A, Piepenbrock C, Berlin K;
 XX WPI; 2001-657177/75.
 XX
 XX Set of oligonucleotides, useful for diagnosis and cell typing, is
 PT designed to detect single-nucleotide polymorphisms and cytosine
 PT methylation status.
 XX
 XX Claim 1; SEQ ID NO 125459; 29pp + Sequence Listing; German.
 XX
 XX This invention describes novel oligonucleotide primers or peptide nucleic
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
 CC and cytosine methylation status in chemically pretreated genomic DNA. The
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
 CC range of diseases including immune system, gastrointestinal, respiratory,
 CC central nervous system, cardiovascular and metabolic disorders. The
 CC oligomers are also used for detecting cell type differentiation. ABC00010
 CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
 CC represent the oligomers described in the invention. NOTE: The sequence
 CC data for this patent did not form part of the printed specification, but
 CC was obtained in electronic format from WIPO at
 CC ftp.wipo.int/pub/published_pct_sequences
 XX
 XX SQ Sequence 13 BP; 3 A; 0 C; 3 G; 7 T; 0 U; 0 Other;
 Query Match 12.9%; Score 9.4; DB 1; Length 13;
 Best Local Similarity 90.9%; Pred. No. 1.3e+03;
 Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
 Qy 943 ATTGGTTTAAAT 953
 Db 2 ATTGGTTTAAAT 12
 RESULT 2477
 ABF28735/C
 ID ABF28735 standard; DNA; 13 BP.
 XX
 XX AC ABF28735;
 XX
 XX 21-FEB-2002 (first entry)
 XX
 XX Oligonucleotide SEQ ID NO 128732 for detecting SNP TSC0032227.
 XX

PR 07-APR-2000; 2000DE-01019173.
 XX (EPIC-) EPIGENOMICS AG.
 PA Olek A, Piepenbrock C, Berlin K;
 XX WPI; 2001-657177/75.
 XX Set of oligonucleotides, useful for diagnosis and cell typing, is
 PT designed to detect single-nucleotide polymorphisms and cytosine
 PT methylation status.
 XX Claim 1; SEQ ID NO 132535; 29pp + Sequence Listing; German.
 XX This invention describes novel oligonucleotide primers or peptide nucleic
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
 CC and cytosine methylation status in chemically pretreated genomic DNA. The
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
 CC range of diseases including immune system, gastrointestinal, respiratory,
 CC central nervous system, cardiovascular and metabolic disorders. The
 CC oligomers are also used for detecting cell type differentiation. ABC00010
 CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
 CC represent the oligomers described in the invention. NOTE: The sequence
 CC data for this patent did not form part of the printed specification, but
 CC was obtained in electronic format from WIPO at
 CC ftp.wipo.int/pub/published_pct_sequences
 XX Sequence 13 BP; 4 A; 0 C; 8 G; 1 T; 0 U; 0 Other;
 SQ Query Match 12.9%; Score 9.4; DB 1; Length 13;
 Best Local Similarity 90.9%; Pred. No. 1.3e+03;
 Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
 QY 932 CCTCTCTCTTC 942
 DB 13 CCTCTCTCTATC 3
 RESULT 2479
 ABF32539
 ID ABF32539 standard; DNA; 13 BP.
 XX AC ABF32539;
 XX 21-FEB-2002 (first entry)
 DE Oligonucleotide SEQ ID NO 132536 for detecting SNP TSC0033059.
 XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
 KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
 KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
 XX Homo sapiens.
 OS WO200177384-A2.
 PN 18-OCT-2001.
 PD 06-APR-2001; 2001WO-IB000713.
 PF 07-APR-2000; 2000DE-01019173.
 PR (EPIC-) EPIGENOMICS AG.
 PA Olek A, Piepenbrock C, Berlin K;
 XX WPI; 2001-657177/75.
 XX Set of oligonucleotides, useful for diagnosis and cell typing, is
 PT designed to detect single-nucleotide polymorphisms and cytosine
 PT methylation status.
 XX Claim 1; SEQ ID NO 132536; 29pp + Sequence Listing; German.

XX This invention describes novel oligonucleotide primers or peptide nucleic
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
 CC and cytosine methylation status in chemically pretreated genomic DNA. The
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
 CC range of diseases including immune system, gastrointestinal, respiratory,
 CC central nervous system, cardiovascular and metabolic disorders. The
 CC oligomers are also used for detecting cell type differentiation. ABC00010
 CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
 CC represent the oligomers described in the invention. NOTE: The sequence
 CC data for this patent did not form part of the printed specification, but
 CC was obtained in electronic format from WIPO at
 CC ftp.wipo.int/pub/published_pct_sequences
 XX Sequence 13 BP; 1 A; 8 C; 0 G; 4 T; 0 U; 0 Other;
 SQ Query Match 12.9%; Score 9.4; DB 1; Length 13;
 Best Local Similarity 90.9%; Pred. No. 1.3e+03;
 Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
 QY 932 CCTCTCTCTTC 942
 DB 1 CCTCTCTCTATC 11
 RESULT 2480
 ABF42386/C
 ID ABF42386 standard; DNA; 13 BP.
 XX AC ABF42386;
 XX 21-FEB-2002 (first entry)
 DE Oligonucleotide SEQ ID NO 142383 for detecting SNP TSC0035690.
 XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
 KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
 KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
 XX Homo sapiens.
 OS WO200177384-A2.
 PN 18-OCT-2001.
 PD 06-APR-2001; 2001WO-IB000713.
 PF 07-APR-2000; 2000DE-01019173.
 PR (EPIC-) EPIGENOMICS AG.
 PA Olek A, Piepenbrock C, Berlin K;
 XX WPI; 2001-657177/75.
 XX Set of oligonucleotides, useful for diagnosis and cell typing, is
 PT designed to detect single-nucleotide polymorphisms and cytosine
 PT methylation status.
 XX Claim 1; SEQ ID NO 142383; 29pp + Sequence Listing; German.
 XX This invention describes novel oligonucleotide primers or peptide nucleic
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
 CC and cytosine methylation status in chemically pretreated genomic DNA. The
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
 CC range of diseases including immune system, gastrointestinal, respiratory,
 CC central nervous system, cardiovascular and metabolic disorders. The
 CC oligomers are also used for detecting cell type differentiation. ABC00010
 CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
 CC represent the oligomers described in the invention. NOTE: The sequence
 CC data for this patent did not form part of the printed specification, but
 CC was obtained in electronic format from WIPO at
 CC ftp.wipo.int/pub/published_pct_sequences

XX SQ Sequence 13 BP; 8 A; 0 C; 3 G; 2 T; 0 U; 0 Other;
Query Match 12.9%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 1.3e+03;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
QY 905 TCATTTCCTTT 915
|||||
Db 13 TCATTTCCTTT 3
RESULT 2481
ABF42387
ID ABF42387 standard; DNA; 13 BP.
XX AC ABF42387;
XX DT 21-FEB-2002 (first entry)
XX DE Oligonucleotide SEQ ID NO 142384 for detecting SNP TSC0035690.
XX KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX OS Homo sapiens.
XX PN WO200177384-A2.
XX PD 18-OCT-2001.
XX PF 06-APR-2001; 2001WO-IB000713.
XX PR 07-APR-2000; 2000DE-01019173.
XX PA (EPIC-) EPIGENOMICS AG.
XX PI Olek A, Piepenbrock C, Berlin K;
XX WPI; 2001-657177/75.
XX PT Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX PS Claim 1; SEQ ID NO 142384; 29pp + Sequence Listing; German.
XX CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX SQ Sequence 13 BP; 2 A; 3 C; 0 G; 8 T; 0 U; 0 Other;
Query Match 12.9%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 1.3e+03;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
QY 905 TCATTTCCTTT 915
|||||
Db 1 TCATTTCCTTT 11
RESULT 2482

ABH18280
ID ABH18280 standard; DNA; 13 BP.
XX AC ABH18280;
XX DT 22-FEB-2002 (first entry)
XX DE Oligonucleotide SEQ ID NO 218257 for detecting SNP TSC0053052.
XX KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX OS Homo sapiens.
XX PN WO200177384-A2.
XX PD 18-OCT-2001.
XX PF 06-APR-2001; 2001WO-IB000713.
XX PR 07-APR-2000; 2000DE-01019173.
XX PA (EPIC-) EPIGENOMICS AG.
XX PI Olek A, Piepenbrock C, Berlin K;
XX WPI; 2001-657177/75.
XX PT Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX PS Claim 1; SEQ ID NO 218257; 29pp + Sequence Listing; German.
XX CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX SQ Sequence 13 BP; 3 A; 0 C; 3 G; 7 T; 0 U; 0 Other;
Query Match 12.9%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 1.3e+03;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
QY 913 TTGTGCTTTG 923
|||||
Db 3 TTGTGCTTTG 13
RESULT 2483
ABF93666
ID ABF93666 standard; DNA; 13 BP.
XX AC ABF93666;
XX DT 22-FEB-2002 (first entry)
XX DE Oligonucleotide SEQ ID NO 193663 for detecting SNP TSC0047644.
XX KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX

```

OS Homo sapiens.
XX WO200177384-A2.
XX
XX 18-OCT-2001.
XX
XX 06-APR-2001; 2001WO-IB000713.
XX PF
XX 07-APR-2000; 2000DE-01019173.
XX PR
XX (EPIC-) EPIGENOMICS AG.
XX PA
XX Olek A, Piepenbrock C, Berlin K;
XX PI
XX WPI; 2001-657177/75.
XX
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
XX PT designed to detect single-nucleotide polymorphisms and cytosine
XX PT methylation status.
XX
XX Claim 1; SEQ ID NO 148208; 29pp + Sequence Listing; German.
XX
XX This invention describes novel oligonucleotide primers or peptide nucleic
XX CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
XX CC and cytosine methylation status in chemically pretreated genomic DNA. The
XX CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
XX CC range of diseases including immune system, gastrointestinal, respiratory,
XX CC central nervous system, cardiovascular and metabolic disorders. The
XX CC oligomers are also used for detecting cell type differentiation. ABC00010
XX CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
XX CC represent the oligomers described in the invention. NOTE: The sequence
XX CC data for this patent did not form part of the printed specification, but
XX CC was obtained in electronic format from WIPO at
XX CC ftp.wipo.int/pub/published_pct_sequences
XX
XX Sequence 13 BP; 3 A; 1 C; 2 G; 7 T; 0 U; 0 Other;
XX
XX Query Match 12.9%; Score 9.4; DB 1; Length 13;
XX Best Local Similarity 90.9%; Pred. No. 1.3e+03;
XX Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
XX
XX QY 920 TTTGCGTTT 930
XX DB 2 TTTGCGTTT 12
XX
XX RESULT 2484
XX ABF48211/c
XX ID ABF48211 standard; DNA; 13 BP.
XX AC ABF48211;
XX
XX 21-FEB-2002 (first entry)
XX
XX Oligonucleotide SEQ ID NO 148208 for detecting SNP TSC0037419.
XX
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
XX Homo sapiens.
XX OS
XX WO200177384-A2.
XX PN
XX 18-OCT-2001.
XX PD
XX 06-APR-2001; 2001WO-IB000713.
XX PF
XX 07-APR-2000; 2000DE-01019173.
XX PR
XX (EPIC-) EPIGENOMICS AG.
XX PA
XX Olek A, Piepenbrock C, Berlin K;
XX PI
XX WPI; 2001-657177/75.
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XX Set of oligonucleotides, useful for diagnosis and cell typing, is
XX PT designed to detect single-nucleotide polymorphisms and cytosine
XX PT methylation status.
XX
XX Claim 1; SEQ ID NO 148208; 29pp + Sequence Listing; German.
XX
XX This invention describes novel oligonucleotide primers or peptide nucleic
XX CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
XX CC and cytosine methylation status in chemically pretreated genomic DNA. The
XX CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
XX CC range of diseases including immune system, gastrointestinal, respiratory,
XX CC central nervous system, cardiovascular and metabolic disorders. The
XX CC oligomers are also used for detecting cell type differentiation. ABC00010
XX CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
XX CC represent the oligomers described in the invention. NOTE: The sequence
XX CC data for this patent did not form part of the printed specification, but
XX CC was obtained in electronic format from WIPO at
XX CC ftp.wipo.int/pub/published_pct_sequences
XX
XX Sequence 13 BP; 3 A; 1 C; 2 G; 7 T; 0 U; 0 Other;
XX
XX Query Match 12.9%; Score 9.4; DB 1; Length 13;
XX Best Local Similarity 90.9%; Pred. No. 1.3e+03;
XX Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
XX
XX QY 920 TTTGCGTTT 930
XX DB 2 TTTGCGTTT 12
XX
XX RESULT 2484
XX ABF48211/c
XX ID ABF48211 standard; DNA; 13 BP.
XX AC ABF48211;
XX
XX 21-FEB-2002 (first entry)
XX
XX Oligonucleotide SEQ ID NO 148208 for detecting SNP TSC0037419.
XX
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
XX Homo sapiens.
XX OS
XX WO200177384-A2.
XX PN
XX 18-OCT-2001.
XX PD
XX 06-APR-2001; 2001WO-IB000713.
XX PF
XX 07-APR-2000; 2000DE-01019173.
XX PR
XX (EPIC-) EPIGENOMICS AG.
XX PA
XX Olek A, Piepenbrock C, Berlin K;
XX PI
XX WPI; 2001-657177/75.
XX
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
XX PT designed to detect single-nucleotide polymorphisms and cytosine
XX PT methylation status.
XX
XX Claim 1; SEQ ID NO 225080; 29pp + Sequence Listing; German.
XX
XX This invention describes novel oligonucleotide primers or peptide nucleic
XX CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
XX CC and cytosine methylation status in chemically pretreated genomic DNA. The
XX CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
XX CC range of diseases including immune system, gastrointestinal, respiratory,
XX CC central nervous system, cardiovascular and metabolic disorders. The
XX CC oligomers are also used for detecting cell type differentiation. ABC00010
XX CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
XX CC represent the oligomers described in the invention. NOTE: The sequence
XX CC data for this patent did not form part of the printed specification, but
XX CC was obtained in electronic format from WIPO at
XX CC ftp.wipo.int/pub/published_pct_sequences
XX
XX Sequence 13 BP; 7 A; 2 C; 1 G; 3 T; 0 U; 0 Other;
XX
XX Query Match 12.9%; Score 9.4; DB 1; Length 13;
XX Best Local Similarity 90.9%; Pred. No. 1.3e+03;
XX Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
XX
XX QY 947 GTTTAATGTAT 957
XX DB 13 GTTTAATGTAT 3
XX
XX RESULT 2485
XX ABH25103/c
XX ID ABH25103 standard; DNA; 13 BP.
XX AC ABH25103;
XX
XX 22-FEB-2002 (first entry)
XX
XX Oligonucleotide SEQ ID NO 225080 for detecting SNP TSC0054878.
XX
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
XX Homo sapiens.
XX OS
XX WO200177384-A2.
XX PN
XX 18-OCT-2001.
XX PD
XX 06-APR-2001; 2001WO-IB000713.
XX PF
XX 07-APR-2000; 2000DE-01019173.
XX PR
XX (EPIC-) EPIGENOMICS AG.
XX PA
XX Olek A, Piepenbrock C, Berlin K;
XX PI
XX WPI; 2001-657177/75.
XX
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
XX PT designed to detect single-nucleotide polymorphisms and cytosine
XX PT methylation status.
XX
XX Claim 1; SEQ ID NO 225080; 29pp + Sequence Listing; German.
XX
XX This invention describes novel oligonucleotide primers or peptide nucleic
XX CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
XX CC and cytosine methylation status in chemically pretreated genomic DNA. The
XX CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
XX CC range of diseases including immune system, gastrointestinal, respiratory,
XX CC central nervous system, cardiovascular and metabolic disorders. The
XX CC oligomers are also used for detecting cell type differentiation. ABC00010
XX CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
XX CC represent the oligomers described in the invention. NOTE: The sequence
XX CC data for this patent did not form part of the printed specification, but
XX CC was obtained in electronic format from WIPO at
XX CC ftp.wipo.int/pub/published_pct_sequences

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CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 13 BP; 5 A; 2 C; 0 G; 5 T; 0 U; 1 Other;

  Query Match      12.9%; Score 9.4; DB 1; Length 13;
  Best Local Similarity 76.9%; Pred. No. 1.3e+03;
  Matches 10; Conservative 1; Mismatches 2; Indels 0; Gaps 0;

QY 948 TTTAATGTATCGC 960
DB 13 TATAATGTATAGY 1
|||||
|

RESULT 2486
ABH01945
ID ABH01945 standard; DNA; 13 BP.
XX
AC ABH01945;
XX
DT 22-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 201922 for detecting SNP TSC0049639.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB0000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
PI WPI; 2001-657177/75.
XX
PT Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
PS Claim 1; SEQ ID NO 201922; 29pp + Sequence Listing; German.
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 13 BP; 4 A; 2 C; 0 G; 7 T; 0 U; 0 Other;

  Query Match      12.9%; Score 9.4; DB 1; Length 13;
  Best Local Similarity 90.9%; Pred. No. 1.3e+03;
  Matches 10; Conservative 1; Mismatches 2; Indels 0; Gaps 0;

QY 948 TTTAATGTATCGC 960
DB 13 TATAATGTATAGY 1
|||||
|

RESULT 2487
ABH02045
ID ABH02045 standard; DNA; 13 BP.
XX
AC ABH02045;
XX
DT 22-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 202022 for detecting SNP TSC0049666.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB0000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
PI WPI; 2001-657177/75.
XX
PT Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
PS Claim 1; SEQ ID NO 202022; 29pp + Sequence Listing; German.
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 13 BP; 3 A; 3 C; 0 G; 7 T; 0 U; 0 Other;

  Query Match      12.9%; Score 9.4; DB 1; Length 13;
  Best Local Similarity 90.9%; Pred. No. 1.3e+03;
  Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 948 TTTAATGTATCGC 958
DB 3 TTTAATCTATC 13
|||||
|

RESULT 2488
ABH27351/C
ID ABH27351 standard; DNA; 13 BP.
XX
AC ABH27351;
XX
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Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 948 TTTAATGTATCGC 958
DB 1 TTTAATCTATC 11
|||||
|

RESULT 2487
ABH02045
ID ABH02045 standard; DNA; 13 BP.
XX
AC ABH02045;
XX
DT 22-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 202022 for detecting SNP TSC0049666.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB0000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
PI WPI; 2001-657177/75.
XX
PT Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
PS Claim 1; SEQ ID NO 202022; 29pp + Sequence Listing; German.
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 13 BP; 3 A; 3 C; 0 G; 7 T; 0 U; 0 Other;

  Query Match      12.9%; Score 9.4; DB 1; Length 13;
  Best Local Similarity 90.9%; Pred. No. 1.3e+03;
  Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 948 TTTAATGTATCGC 958
DB 3 TTTAATCTATC 13
|||||
|

RESULT 2488
ABH27351/C
ID ABH27351 standard; DNA; 13 BP.
XX
AC ABH27351;
XX
```

DT 22-FEB-2002 (first entry)
XX Oligonucleotide SEQ ID NO 227328 for detecting SNP TSC0004949.
DE
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
KW
XX Homo sapiens.
XX
XX WO200177384-A2.
XX
PD 18-OCT-2001.
XX
XX 06-APR-2001; 2001WO-IB000713.
XX
XX 07-APR-2000; 2000DE-01019173.
XX
XX (EPIC-) EPIGENOMICS AG.
XX
XX Olek A, Piepenbrock C, Berlin K;
XX
XX WPI; 2001-657177/75.
XX
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
XX Claim 1; SEQ ID NO 227328; 29pp + Sequence Listing; German.
XX
XX This invention describes novel oligonucleotide primers or peptide nucleic
XX acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
XX Sequence 13 BP; 7 A; 2 C; 0 G; 3 T; 0 U; 1 Other;
XX
XX Query Match 12.9%; Score 9.4; DB 1; Length 13;
XX Best Local Similarity 76.9%; Pred. No. 1.3e+03;
XX Matches 10; Conservative 1; Mismatches 2; Indels 0; Gaps 0;
XX
QY 945 TGGTTTAATGTAT 957
DB 13 TGGTTTATATAY 1
RESULT 2489
ABH02910
ID ABH02910 standard; DNA; 13 BP.
XX
XX AC ABH02910;
XX
XX 22-FEB-2002 (first entry)
XX
XX Oligonucleotide SEQ ID NO 202887 for detecting SNP TSC0008365.
DE
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
KW
XX Homo sapiens.
XX
XX WO200177384-A2.
XX
PD 18-OCT-2001.

XX 06-APR-2001; 2001WO-IB000713.
XX
XX 07-APR-2000; 2000DE-01019173.
XX
XX (EPIC-) EPIGENOMICS AG.
XX
XX Olek A, Piepenbrock C, Berlin K;
XX
XX WPI; 2001-657177/75.
XX
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
XX Claim 1; SEQ ID NO 202887; 29pp + Sequence Listing; German.
XX
XX This invention describes novel oligonucleotide primers or peptide nucleic
XX acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
XX Sequence 13 BP; 3 A; 0 C; 2 G; 8 T; 0 U; 0 Other;
XX
XX Query Match 12.9%; Score 9.4; DB 1; Length 13;
XX Best Local Similarity 90.9%; Pred. No. 1.3e+03;
XX Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
XX
QY 943 ATTGTTTAAAT 953
DB 1 ATTGTTTAAAT 11
RESULT 2490
ABH03289/c
ID ABH03289 standard; DNA; 13 BP.
XX
XX AC ABH03289;
XX
XX 22-FEB-2002 (first entry)
XX
XX Oligonucleotide SEQ ID NO 203266 for detecting SNP TSC0049909.
DE
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
KW
XX Homo sapiens.
XX
XX WO200177384-A2.
XX
XX 18-OCT-2001.
XX
XX 06-APR-2001; 2001WO-IB000713.
XX
XX 07-APR-2000; 2000DE-01019173.
XX
XX (EPIC-) EPIGENOMICS AG.
XX
XX Olek A, Piepenbrock C, Berlin K;
XX
XX WPI; 2001-657177/75.
XX
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.

PT methylation status.
XX Claim 1; SEQ ID NO 203266; 29pp + Sequence Listing; German.
PS
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 13 BP; 8 A; 2 C; 0 G; 2 T; 0 U; 1 Other;
Query Match 12.9%; Score 9.4; DB 1; Length 13;
Best Local Similarity 76.9%; Pred. No. 1.3e+03;
Matches 10; Conservative 1; Mismatches 2; Indels 0; Gaps 0;
QY 945 TGGTTTAAATGAT 957
DB 13 TGGTTTAAATGAT 1
RESULT 2491
ABH04896
ID ABH04896 standard; DNA; 13 BP.
XX
AC ABH04896;
DT 22-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 204873 for detecting SNP TSC0050247.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
FN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
DR WPI; 2001-657177/75.
XX
PT Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
PS Claim 1; SEQ ID NO 204873; 29pp + Sequence Listing; German.
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 13 BP; 8 A; 2 C; 0 G; 2 T; 0 U; 1 Other;
Query Match 12.9%; Score 9.4; DB 1; Length 13;
Best Local Similarity 76.9%; Pred. No. 1.3e+03;
Matches 10; Conservative 1; Mismatches 2; Indels 0; Gaps 0;
QY 945 TGGTTTAAATGAT 957
DB 13 TGGTTTAAATGAT 1
RESULT 2491
ABH04896
ID ABH04896 standard; DNA; 13 BP.
XX
AC ABH04896;
DT 22-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 204873 for detecting SNP TSC0050247.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
FN WO200177384-A2.
XX
PD 18-OCT-2001.
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PF 06-APR-2001; 2001WO-IB000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
DR WPI; 2001-657177/75.
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PT methylation status.
XX
PS Claim 1; SEQ ID NO 204873; 29pp + Sequence Listing; German.
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 13 BP; 4 A; 0 C; 1 G; 7 T; 0 U; 1 Other;
Query Match 12.9%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 1.3e+03;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
QY 943 ATTGGTTTAAAT 953
DB 1 ATTGGTTTAAAT 11
RESULT 2492
ABH05321/c
ID ABH05321 standard; DNA; 13 BP.
XX
AC ABH05321;
XX
DT 22-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 205298 for detecting SNP TSC0050330.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
FN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
DR WPI; 2001-657177/75.
XX
PT Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
PS Claim 1; SEQ ID NO 205298; 29pp + Sequence Listing; German.
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 13 BP; 6 A; 2 C; 0 G; 5 T; 0 U; 0 Other;
Query Match 12.9%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 1.3e+03;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
QY 943 ATTGGTTTAAAT 953
DB 12 ATTGGTTTAAAT 2

```

RESULT 2493
ABH07785/c
ID ABH07785 standard; DNA; 13 BP.
AC ABH07785;
XX
XX
DT 22-FEB-2002 (first entry)
DE
DE Oligonucleotide SEQ ID NO 207762 for detecting SNP TSC0050805.
XX
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
XX Homo sapiens.
XX
XX WO200177384-A2.
XX
XX 18-OCT-2001.
XX
XX 06-APR-2001; 2001WO-IB000713.
XX
XX 07-APR-2000; 2000DE-01019173.
XX
XX (EPIG-) EPIGENOMICS AG.
XX
XX Olek A, Piepenbrock C, Berlin K;
XX
XX WPI; 2001-657177/75.
XX
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
XX designed to detect single-nucleotide polymorphisms and cytosine
XX methylation status.
XX
XX Claim 1; SEQ ID NO 207762; 29pp + Sequence Listing; German.
XX
XX This invention describes novel oligonucleotide primers or peptide nucleic
XX acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
XX and cytosine methylation status in chemically pretreated genomic DNA. The
XX oligonucleotides are used for diagnosis and/or prognosis of cancer and a
XX range of diseases including immune system, gastrointestinal, respiratory,
XX central nervous system, cardiovascular and metabolic disorders. The
XX oligomers are also used for detecting cell type differentiation. ABC00010
XX -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
XX represent the oligomers described in the invention. NOTE: The sequence
XX data for this patent did not form part of the printed specification, but
XX was obtained in electronic format from WIPO at
XX ftp.wipo.int/pub/published_pct_sequences
XX
XX SQ Sequence 13 BP; 7 A; 4 C; 0 G; 1 T; 0 U; 1 Other;
XX
XX Query Match 12.9%; Score 9.4; DB 1; Length 13;
XX Best Local Similarity 90.9%; Pred. No. 1.3e+03;
XX Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
XX
XX QY 945 TGGTTTAAATGT 955
XX 13 TGGTTTAAATGT 3
XX
XX RESULT 2494
ABH09785/c
ID ABH09785 standard; DNA; 13 BP.
XX
XX AC ABH09785;
XX
XX 22-FEB-2002 (first entry)
XX
XX Oligonucleotide SEQ ID NO 209762 for detecting SNP TSC0051215.
XX
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
XX Homo sapiens.
XX
XX WO200177384-A2.
XX
XX 18-OCT-2001.
XX
XX 06-APR-2001; 2001WO-IB000713.
XX
XX 07-APR-2000; 2000DE-01019173.
XX
XX (EPIG-) EPIGENOMICS AG.
XX
XX Olek A, Piepenbrock C, Berlin K;
XX
XX WPI; 2001-657177/75.
XX
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
XX designed to detect single-nucleotide polymorphisms and cytosine
XX methylation status.
XX
XX Claim 1; SEQ ID NO 207762; 29pp + Sequence Listing; German.
XX
XX This invention describes novel oligonucleotide primers or peptide nucleic
XX acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
XX and cytosine methylation status in chemically pretreated genomic DNA. The
XX oligonucleotides are used for diagnosis and/or prognosis of cancer and a
XX range of diseases including immune system, gastrointestinal, respiratory,
XX central nervous system, cardiovascular and metabolic disorders. The
XX oligomers are also used for detecting cell type differentiation. ABC00010
XX -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
XX represent the oligomers described in the invention. NOTE: The sequence
XX data for this patent did not form part of the printed specification, but
XX was obtained in electronic format from WIPO at
XX ftp.wipo.int/pub/published_pct_sequences
XX
XX SQ Sequence 13 BP; 7 A; 4 C; 0 G; 1 T; 0 U; 1 Other;
XX
XX Query Match 12.9%; Score 9.4; DB 1; Length 13;
XX Best Local Similarity 90.9%; Pred. No. 1.3e+03;
XX Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
XX
XX QY 945 TGGTTTAAATGT 955
XX 13 TGGTTTAAATGT 3
XX
XX RESULT 2495
ABH36776/c
ID ABH36776 standard; DNA; 13 BP.
XX
XX AC ABH36776;
XX
XX 22-FEB-2002 (first entry)
XX
XX Oligonucleotide SEQ ID NO 236753 for detecting SNP TSC0057775.
XX
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
XX Homo sapiens.
XX
XX WO200177384-A2.
XX
XX 18-OCT-2001.
XX
XX 06-APR-2001; 2001WO-IB000713.
XX
XX 07-APR-2000; 2000DE-01019173.
XX
XX

```

PA (EPIG-) EPIGENOMICS AG.
 XX Olek A, Piepenbrock C, Berlin K;
 XX WPI; 2001-657177/75.
 XX Set of oligonucleotides, useful for diagnosis and cell typing, is
 PT designed to detect single-nucleotide polymorphisms and cytosine
 PT methylation status.
 XX
 XX Claim 1; SEQ ID NO 236753; 29pp + Sequence Listing; German.
 XX
 XX This invention describes novel oligonucleotide primers or peptide nucleic
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
 CC and cytosine methylation status in chemically pretreated genomic DNA. The
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
 CC range of diseases including immune system, gastrointestinal, respiratory,
 CC central nervous system, cardiovascular and metabolic disorders. The
 CC oligomers are also used for detecting cell type differentiation. ABC00010
 CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
 CC represent the oligomers described in the invention. NOTE: The sequence
 CC data for this patent did not form part of the printed specification, but
 CC was obtained in electronic format from WIPO at
 CC ftp.wipo.int/pub/published_pct_sequences
 XX
 XX Sequence 13 BP; 10 A; 0 C; 2 G; 1 T; 0 U; 0 Other;
 SQ

Query Match 12.9%; Score 9.4; DB 1; Length 13;
 Best Local Similarity 90.9%; Pred. No. 1.3e+03;
 Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 905 TCATTTCTTT 915
 DB 13 TTAATTTCTTT 3
 |||||
 |||||

RESULT 2496
 ABF61733/c
 ID ABF61733 standard; DNA; 13 BP.
 XX
 XX ABF61733;
 XX
 XX 22-FEB-2002 (first entry)
 XX
 XX Oligonucleotide SEQ ID NO 161730 for detecting SNP TSC0040712.
 XX
 XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
 KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
 KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
 XX
 XX Homo sapiens.
 XX
 XX WO200177384-A2.
 XX
 XX 18-OCT-2001.
 XX
 XX 06-APR-2001; 2001WO-IB000713.
 XX
 XX 07-APR-2000; 2000DE-01019173.
 XX
 XX (EPIG-) EPIGENOMICS AG.
 XX
 XX Olek A, Piepenbrock C, Berlin K;
 XX
 XX WPI; 2001-657177/75.
 XX
 XX Set of oligonucleotides, useful for diagnosis and cell typing, is
 PT designed to detect single-nucleotide polymorphisms and cytosine
 PT methylation status.
 XX
 XX Claim 1; SEQ ID NO 161730; 29pp + Sequence Listing; German.
 XX
 XX This invention describes novel oligonucleotide primers or peptide nucleic

CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
 CC and cytosine methylation status in chemically pretreated genomic DNA. The
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
 CC range of diseases including immune system, gastrointestinal, respiratory,
 CC central nervous system, cardiovascular and metabolic disorders. The
 CC oligomers are also used for detecting cell type differentiation. ABC00010
 CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
 CC represent the oligomers described in the invention. NOTE: The sequence
 CC data for this patent did not form part of the printed specification, but
 CC was obtained in electronic format from WIPO at
 CC ftp.wipo.int/pub/published_pct_sequences
 XX
 XX Sequence 13 BP; 7 A; 3 C; 1 G; 1 T; 0 U; 1 Other;
 SQ

Query Match 12.9%; Score 9.4; DB 1; Length 13;
 Best Local Similarity 76.9%; Pred. No. 1.3e+03;
 Matches 10; Conservative 1; Mismatches 2; Indels 0; Gaps 0;

QY 1948 TTTAATGTATCGC 960
 DB 13 TTTATGTGTCGY 1
 |||||
 |||||

RESULT 2497
 ABF62775/c
 ID ABF62775 standard; DNA; 13 BP.
 XX
 XX ABF62775;
 XX
 XX 22-FEB-2002 (first entry)
 XX
 XX Oligonucleotide SEQ ID NO 162772 for detecting SNP TSC0040932.
 XX
 XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
 KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
 KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
 XX
 XX Homo sapiens.
 XX
 XX WO200177384-A2.
 XX
 XX 18-OCT-2001.
 XX
 XX 06-APR-2001; 2001WO-IB000713.
 XX
 XX 07-APR-2000; 2000DE-01019173.
 XX
 XX (EPIG-) EPIGENOMICS AG.
 XX
 XX Olek A, Piepenbrock C, Berlin K;
 XX
 XX WPI; 2001-657177/75.
 XX
 XX Set of oligonucleotides, useful for diagnosis and cell typing, is
 PT designed to detect single-nucleotide polymorphisms and cytosine
 PT methylation status.
 XX
 XX Claim 1; SEQ ID NO 162772; 29pp + Sequence Listing; German.
 XX
 XX This invention describes novel oligonucleotide primers or peptide nucleic
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
 CC and cytosine methylation status in chemically pretreated genomic DNA. The
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
 CC range of diseases including immune system, gastrointestinal, respiratory,
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
 CC range of diseases including immune system, gastrointestinal, respiratory,
 CC central nervous system, cardiovascular and metabolic disorders. The
 CC oligomers are also used for detecting cell type differentiation. ABC00010
 CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
 CC represent the oligomers described in the invention. NOTE: The sequence
 CC data for this patent did not form part of the printed specification, but
 CC was obtained in electronic format from WIPO at
 CC ftp.wipo.int/pub/published_pct_sequences
 XX
 XX Sequence 13 BP; 4 A; 3 C; 0 G; 6 T; 0 U; 0 Other;
 SQ

```
Query Match      12.9%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 1.3e+03;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY      946 GGTAAATGTA 956
DB      13 GGTAAATGTA 3
      ||||| |||||
      ||||| |||||

RESULT 2498
ABH13481/c
ID ABH13481 standard; DNA; 13 BP.
XX
AC ABH13481;
XX
DT 22-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 213458 for detecting SNP TSC0051980.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
WPI; 2001-657177/75.
XX
PT Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
PS Claim 1; SEQ ID NO 213458; 29pp + Sequence Listing; German.
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. AEC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABH00010-ABH2073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 13 BP; 9 A; 4 C; 0 G; 0 T; 0 U; 0 Other;

Query Match      12.9%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 1.3e+03;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY      913 TTGGTCTTTG 923
DB      12 TTGGTCTTTG 2
      ||||| |||||
      ||||| |||||

RESULT 2499
ABF63724
ID ABF63724 standard; DNA; 13 BP.
XX
AC ABF63724;
XX
DT 22-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 241230 for detecting SNP TSC0058839.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
```


PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB0000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
DR WPI; 2001-657177/75.
XX
PT Set of oligonucleotides, useful for diagnosis and cell typing, is
designed to detect single-nucleotide polymorphisms and cytosine
methylation status.
XX
PS Claim 1; SEQ ID NO 241230; 29pp + Sequence Listing; German.
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic
acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
and cytosine methylation status in chemically pretreated genomic DNA. The
oligonucleotides are used for diagnosis and/or prognosis of cancer and a
range of diseases including immune system, gastrointestinal, respiratory,
central nervous system, cardiovascular and metabolic disorders. The
oligonucleotides are also used for detecting cell type differentiation. ABC00010
-ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
represent the oligomers described in the invention. NOTE: The sequence
data for this patent did not form part of the printed specification, but
was obtained in electronic format from WIPO at
ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 13 BP; 8 A; 2 C; 0 G; 2 T; 0 U; 1 Other;
Query Match 12.9%; Score 9.4; DB 1; Length 13;
Best Local Similarity 76.9%; Pred. No. 1.3e+03;
Matches 10; Conservative 1; Mismatches 2; Indels 0; Gaps 0;
Oy 946 GGTGTTAAATGTC 958
Db 13 GGTGTTAAATTTT 1
RESULT 2501
ABH47704
ID ABH47704 standard; DNA; 13 BP.
XX
AC ABH47704;
XX
DT 22-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 247681 for detecting SNP TSC0060535.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW Peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB0000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
DR WPI; 2001-657177/75.
XX
PT Set of oligonucleotides, useful for diagnosis and cell typing, is
designed to detect single-nucleotide polymorphisms and cytosine
methylation status.
XX
PS Claim 1; SEQ ID NO 247681; 29pp + Sequence Listing; German.
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic
acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
and cytosine methylation status in chemically pretreated genomic DNA. The
oligonucleotides are used for diagnosis and/or prognosis of cancer and a
range of diseases including immune system, gastrointestinal, respiratory,
central nervous system, cardiovascular and metabolic disorders. The
oligonucleotides are also used for detecting cell type differentiation. ABC00010
-ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
represent the oligomers described in the invention. NOTE: The sequence
data for this patent did not form part of the printed specification, but
was obtained in electronic format from WIPO at
ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 13 BP; 8 A; 2 C; 0 G; 2 T; 0 U; 1 Other;
Query Match 12.9%; Score 9.4; DB 1; Length 13;
Best Local Similarity 76.9%; Pred. No. 1.3e+03;
Matches 10; Conservative 1; Mismatches 2; Indels 0; Gaps 0;
Oy 946 GGTGTTAAATGTC 958
Db 13 GGTGTTAAATTTT 1
RESULT 2501
ABH47704
ID ABH47704 standard; DNA; 13 BP.
XX
AC ABH47704;
XX
DT 22-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 247681 for detecting SNP TSC0007575.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW Peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB0000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
DR WPI; 2001-657177/75.
XX
PT Set of oligonucleotides, useful for diagnosis and cell typing, is
designed to detect single-nucleotide polymorphisms and cytosine
methylation status.
XX
PS Claim 1; SEQ ID NO 247681; 29pp + Sequence Listing; German.
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic
acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
and cytosine methylation status in chemically pretreated genomic DNA. The
oligonucleotides are used for diagnosis and/or prognosis of cancer and a
range of diseases including immune system, gastrointestinal, respiratory,
central nervous system, cardiovascular and metabolic disorders. The
oligonucleotides are also used for detecting cell type differentiation. ABC00010
-ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
represent the oligomers described in the invention. NOTE: The sequence
data for this patent did not form part of the printed specification, but
was obtained in electronic format from WIPO at
ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 13 BP; 4 A; 0 C; 3 G; 6 T; 0 U; 0 Other;
Query Match 12.9%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 1.3e+03;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
Oy 945 TGGTTTAATGTC 955
Db 3 TGGTTTAATGTC 13
RESULT 2502
ABH60732
ID ABH60732 standard; DNA; 13 BP.
XX
AC ABH60732;
XX
DT 22-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 260709 for detecting SNP TSC0007575.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW Peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB0000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
DR WPI; 2001-657177/75.
XX
PT Set of oligonucleotides, useful for diagnosis and cell typing, is
designed to detect single-nucleotide polymorphisms and cytosine
methylation status.
XX
PS Claim 1; SEQ ID NO 260709; 29pp + Sequence Listing; German.
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic
acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
and cytosine methylation status in chemically pretreated genomic DNA. The
oligonucleotides are used for diagnosis and/or prognosis of cancer and a
range of diseases including immune system, gastrointestinal, respiratory,
central nervous system, cardiovascular and metabolic disorders. The
oligonucleotides are also used for detecting cell type differentiation. ABC00010
-ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
represent the oligomers described in the invention. NOTE: The sequence
data for this patent did not form part of the printed specification, but
was obtained in electronic format from WIPO at
ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 13 BP; 4 A; 0 C; 3 G; 6 T; 0 U; 0 Other;

CC oligomers are also used for detecting cell type differentiation. ABC00010
 CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
 CC represent the oligomers described in the invention. NOTE: The sequence
 CC data for this patent did not form part of the printed specification, but
 CC was obtained in electronic format from WIPO at
 CC ftp.wipo.int/pub/published_pct_sequences
 XX
 SQ Sequence 13 BP; 2 A; 0 C; 3 G; 8 T; 0 U; 0 Other;

Query Match 12.9%; Score 9.4; DB 1; Length 13;

Best Local Similarity 90.9%; Pred. NO. 1.3e-03;

Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 944 TTGGTTTAAATG 954

Db 2 TTGGTTTATG 12

RESULT 2503

ABZ72849
 ID ABZ72849 standard; RNA; 13 BP.

XX AC ABZ72849;

DT 09-APR-2003 (first entry)

DE IGF1 R21 ribozyme target sequence SEQ ID NO:88.

XX KW Hairpin ribozyme; hammerhead ribozyme; ribozyme; retinal disease; target;
 KW ophthalmological; gene therapy; eye; retinal dysfunction; AAV;
 KW diabetic retinopathy; macular degeneration; autosomal dominant retinitis;
 KW blood-retinal barrier dysfunction; adeno-associated virus; blindness; ss.

XX OS Synthetic.

XX PN WO20028320-A2.

XX PD 07-NOV-2002.

XX PF 01-MAY-2002; 2002WO-US013679.

XX PR 01-MAY-2001; 2001US-00847601.

XX PA (UYFL) UNIV FLORIDA.

XX PI Lewin AS, Shaw LC, Grant MB;

XX DR WPI; 2003-111890/10.

XX A recombinant adeno-associated virus-vectored ribozyme composition,
 PT useful for treating a disease or dysfunction of the mammalian eye e.g.
 PT retinal disease, e.g. diabetic retinopathy or age-related macular
 PT degeneration.

XX PS Claim 1; Page 80; 115pp; English.

XX The present invention describes a recombinant adeno-associated virus
 CC (AAV) vectored ribozyme composition (I). (I) comprises: (a) at least a
 CC first ribozyme that specifically cleaves an mRNA encoding a protein,
 CC polypeptide, or peptide selected from the group of rod opsin, INOS,
 CC RDS/peripherin, VEGFR1, VEGFR2, adenosine A-2B receptor, IGF-1, integrin
 CC alpha 1, integrin alpha 3, integrin alpha 5, or integrin alpha V; (b) a
 CC vector comprising a polynucleotide encoding the ribozyme, where the
 CC polynucleotide operably positioned downstream of at least a first
 CC promoter that directs expression of the polynucleotide in a selected
 CC mammalian cell transformed with the vector; (c) a viral particle
 CC comprising the ribozyme or the polynucleotide; (d) an AAV vector
 CC comprising the ribozyme or the polynucleotide; or (e) a host cell
 CC comprising the ribozyme or the polynucleotide. Also described is a method
 CC for decreasing the amount of mRNA encoding a selected polypeptide in a
 CC retinal cell of a mammalian eye, comprising providing to the eye the
 CC composition described above, and for a time effective to specifically
 CC cleave the mRNA in the cell. (I) has ophthalmological activity, and can

CC be used in gene therapy. (I) can be used for treating a disease or
 CC dysfunction of the mammalian eye, such as a retinal disease or retinal
 CC dysfunction, (diabetic) retinopathy, or (age-related) macular
 CC degeneration. (I) is also useful for manufacturing a medicament for
 CC treating the diseases mentioned above, including autosomal dominant
 CC retinitis or a blood-retinal barrier dysfunction. (I) can also be useful
 CC for treating, decreasing the severity, or ameliorating the symptoms of a
 CC pathological condition, e.g. atrophic or pigmented lesions of the eye,
 CC blindness, a reduction in central or peripheral vision, or a reduction in
 CC total vision. ABZ72763 to ABZ72953 represent sequences used in the
 CC exemplification of the present invention

SQ Sequence 13 BP; 1 A; 4 C; 2 G; 0 T; 6 U; 0 Other;

Query Match 12.9%; Score 9.4; DB 1; Length 13;

Best Local Similarity 36.4%; Pred. NO. 1.3e+03;

Matches 4; Conservative 6; Mismatches 1; Indels 0; Gaps 0;

Qy 914 TTGGTCTTTC 924

Db 2 UUCGUCUUDGC 12

RESULT 2504

ACD56504
 ID ACD56504 standard; RNA; 13 BP.

XX AC ACD56504;

XX DT 24-SEP-2003 (first entry)

XX DE HBV enzymatic nucleic acid substrate sequence #185.

XX KW Nucleic acid molecule; Hepatitis C virus; HCV; Hepatitis B virus; HBV;
 KW RNA stability; RNA expression; RNA synthesis; antisense;
 KW enzymatic nucleic acid; hammerhead ribozyme; DNzyme; zinzyme;
 KW amberyne; G-cleaver ribozyme; decoy molecule; aptamer;
 KW HBV reverse transcriptase; Enhancer I region; viral replication;
 KW degenerative; disease state; HBV infection; HCV infection; cirrhosis;
 KW liver failure; hepatocellular carcinoma; hepatotropic; cytostatic;
 KW virucide; antiinflammatory; substrate; ss.

XX OS Hepatitis B virus.

XX PN WO200281494-A1.

XX PD 17-OCT-2002.

XX PF 26-MAR-2002; 2002WO-US009187.

XX PR 26-MAR-2001; 2001US-00817879.

XX PR 08-JUN-2001; 2001US-00877478.

XX PR 08-JUN-2001; 2001US-0296876P.

XX PR 24-OCT-2001; 2001US-0335059P.

XX PR 05-DEC-2001; 2001US-0337055P.

XX PA (RIBO-) RIBOZYME PHARM INC.

XX PA (BLAT/) BLATT L.

XX PA (MACE/) MACEJAK D.

XX PA (MCSW/) MCSWIGGEN J.

XX PA (MORR/) MORRISSEY D.

XX PA (PAVC/) PAVCO P.

XX PA (LEEP/) LEE P.

XX PA (DRAP/) DRAPER K.

XX PA (ROBE/) ROBERTS E.

XX PI Blatt L, Macejak D, Mcswiggen J, Morrissey D, Pavco P, Lee P;

XX PI Draper K, Roberts E;

XX DR WPI; 2003-229207/22.

XX Novel compound useful for treating cirrhosis, liver failure,

XX PT hepatocellular carcinoma, or condition associated with hepatitis C virus

PT infection.
XX Example 1; Page 221; 387pp; English.
PS
XX The present invention relates to nucleic acid molecules which modulate
CC the synthesis, expression and/or stability of Hepatitis C virus (HCV) or
CC Hepatitis B virus (HBV) RNA. The nucleic acid molecules include antisense
CC and enzymatic nucleic acids such as hammerhead ribozymes, DNazymes,
CC inozymes, zinzymes, ambrizymes, and G-cleaver ribozymes. Also disclosed
CC are nucleic acid decoy molecules and aptamers that bind to HBV reverse
CC transcriptase and/or HBV reverse transcriptase primer sequences, as well
CC as oligonucleotides that specifically bind the Enhancer I region of HBV
CC DNA. The nucleic acids may be used to modulate the expression of HBV
CC genes and HBV viral replication. Also disclosed is a method for screening
CC compounds and/or potential therapies directed against HBV, and compounds
CC that modulate the expression and/or replication of HCV. The compounds and
CC methods of the invention are useful for the treatment of degenerative and
CC disease states related to HBV and HCV infection, replication and gene
CC expression such as cirrhosis, liver failure, and hepatocellular
CC carcinoma. The present sequence represents a substrate for one of the HBV
CC enzymatic nucleic acid sequences disclosed in the present invention
XX
SQ Sequence 13 BP; 0 A; 5 C; 3 G; 0 T; 5 U; 0 Other;

Query Match 12.9%; Score 9.4; DB 1; Length 13;
Best Local Similarity 45.5%; Pred. No. 1.3e+03;
Matches 5; Conservative 5; Mismatches 1; Indels 0; Gaps 0;

QY 917 GCTTTGGCTT 927
|:|: :|||:
Db 3 GUCUGGCCUU 13

RESULT 2505
AA71348
ID AA71348 standard; DNA; 14 BP.
XX
AC AA71348;
XX
DT 25-MAR-2003 (revised)
DT 25-APR-1991 (first entry)
XX
DE Probe 186 to Yarrowia lipolytica XPR2 gene. (3'-5').
XX
KW extracellular alkaline protease; XPR2; ss.
XX
OS Synthetic.
XX
FN EP220864-A.
XX
PD 06-MAY-1987.
XX
PF 10-OCT-1986; 86EP-00307839.
XX
PR 18-OCT-1985; 85US-00789206.
PR 18-MAR-1986; 86US-00841121.
XX
PA (PFIZ) PFIZER INC.
PA (USHU-) US HUIRUI CO LTD.
XX
PI Davidow LS, Franke AE, Dezeuw JR;
XX
DR WPI; 1987-124409/18.
XX
XX New Yarrowia lipolytica transformants - used for expression and secretion
PT of heterologous proteins, esp. prorennin, and human anaphylatoxin C5a.
XX
XX Example; Fig 2; 45pp; English.
PS
XX Probes were prepared on the basis of two regions of the known sequence
CC (Ogrydiak et al, J.Gen.Microbiol.(1982) 128,1225-1234) of the first 25
CC amino acids of mature extracellular alkaline protease. This probe is
CC based on Region II, beginning at amino acid #18. It was hybridised with

CC three overlapping plasmids recovered from the XPR2 transformant
CC Y.lipolytica ATCC 20781 to confirm that the XPR2 gene had been cloned.
CC See also AAN70213-N70218, AAN71339, AAN71340, AAN71343-7. (Updated on 25-
CC MAR-2003 to correct PA field.)
XX
SQ Sequence 14 BP; 0 A; 2 C; 3 G; 7 T; 0 U; 2 Other;

Query Match 12.9%; Score 9.4; DB 1; Length 14;
Best Local Similarity 71.4%; Pred. No. 1.4e+03;
Matches 10; Conservative 1; Mismatches 3; Indels 0; Gaps 0;

QY 910 TTCTTTGGTCTTGG 923
|||||:|
Db 1 TTCTTCGNGTTTG 14

RESULT 2506
AAV49069
ID AAV49069 standard; DNA; 14 BP.
XX
AC AAV49069;
XX
DT 15-OCT-1998 (first entry)
XX
DE rb gene antisense oligonucleotide rb-N-17.
XX
KW rb gene; antisense oligonucleotide; modulate; gene expression; ss.
XX
OS Synthetic.
OS Homo sapiens.
XX
FN EP856579-A1.
XX
PD 05-AUG-1998.
XX
PF 31-JAN-1997; 97EP-00101531.
XX
PR 31-JAN-1997; 97EP-00101531.
XX
PA (BIOG-) BIOGNOSTIK GES BIOMOLEKULARE DIAGNOSTIK.
XX
PI Schlingensiepen K, Brysch W;
XX
DR WPI; 1998-400910/35.
XX
PT Preparation of antisense oligonucleotide(s) which lack long runs of
PT consecutive guanosine or inosine - and have specific ratio of residues
PT able to form two or three hydrogen bonds, have greater activity and
PT reduced toxicity, used therapeutically or to modulate growth of cells in
PT culture.
XX
PS Example 7; Fig 9a; 286pp; English.
XX
XX AAV49008-236 represent antisense oligonucleotides directed against the rb
CC gene. Of these, only oligonucleotides AAV49008-52 resulted in effective
CC downregulation of negative growth control by rb, while oligonucleotides
CC AAV49052-236 had little effect. The oligonucleotides exemplify the
CC invention. The specification describes oligonucleotides that contain 8-30
CC nucleotides, which contain at most 8 nucleotides that can each form three
CC hydrogen bonds to cytosine; do not contain four consecutive nucleotides
CC able to form three H-bonds each to four consecutive cytosines; do not
CC contain two sequences of three consecutive nucleotides each able to form
CC three H-bonds to three consecutive cytosines, and the ratio between
CC residues able to form two H-bonds each (2R) or three such bonds (3R) is
CC given by 2R/3R = 0.33-0.72. The oligonucleotides are used to modulate
CC expression of genes, particularly the genes for p53, Erb-2, junB, junD,
CC TGF-beta 1 or beta 2 to control proliferation of primary cell cultures
CC (e.g. bone marrow stem, liver or kidney cells, osteoclasts, osteoblasts
CC and/or keratinocytes). The oligonucleotides can also be used to analyse
CC function of proteins (by altering their expression or activity) and
CC therapeutically, e.g. in cases of cancer or (targeting TGF) for
CC stimulating the immune system
XX

SQ Sequence 14 BP; 4 A; 2 C; 0 G; 8 T; 0 U; 0 Other;
 Query Match 12.9%; Score 9.4; DB 1; Length 14;
 Best Local Similarity 90.9%; Pred. No. 1.4e+03;
 Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 905 TCATTTCTTT 915
 |||||
 Db 2 TCATTTCTTT 12

RESULT 2507
 AAX14711
 ID AAX14711 standard; DNA; 14 BP.
 XX
 AC AAX14711;
 XX
 DT 24-MAR-1999 (first entry)
 XX
 DE Triple helix third strand of Prealbumin gene nucleotides 250-263.
 XX
 KW Triplex formation; DNA detection; triple helix; identification; bacteria;
 KW oncogene; virus; ss.
 XX
 OS Synthetic.
 OS Homo sapiens.
 XX
 PN US5861244-A.
 XX
 PD 19-JAN-1999.
 XX
 PF 22-DEC-1993; 93US-00173489.
 XX
 PR 29-OCT-1992; 92US-00968436.
 XX
 PA (PROF-) PROFILE DIAGNOSTIC SCI INC.
 XX
 PI Hepburn AG, Wang C;
 XX
 DR WPI; 1999-130384/11.
 XX
 PT Assay of genetic sequences based on triplex formation from double
 PT stranded analyte - and hybrid of anchor and reporter sequences, with
 PT reporter released if triplex formation occurs, used e.g. to identify
 PT bacteria.
 XX
 PS Disclosure; Col 17-18; 168pp; English.
 CC
 CC The present sequence represents a polynucleotide that is able to form a
 CC triple helix with a double stranded sequence. Cytosine bases in the
 CC present can be replaced with 5-methylcytosine for increased triplex
 CC stability. The present sequence is used in the assay of the invention,
 CC where it can be part of the anchor DNA or reporter DNA sequence. The
 CC assay comprises adding a sample containing double-stranded DNA test
 CC sequences to an aqueous medium containing at least one complex of anchor
 CC DNA, attached to a solid support, and reporter DNA, where either a part
 CC of the anchor DNA or reporter DNA is designed to form a triple-strand
 CC structure with part of the test sequence. Triplex formation results in
 CC displacement of the reporter DNA which is detected as an indication of
 CC the presence of the DNA test sequence. The method is used to detect DNA
 CC sequences, particularly for identification of bacteria (by detecting
 CC genes for ribosomal RNA) in clinical samples, but also detection of
 CC oncogenes and Hepatitis B virus
 XX

SQ Sequence 14 BP; 0 A; 6 C; 0 G; 8 T; 0 U; 0 Other;
 Query Match 12.9%; Score 9.4; DB 1; Length 14;
 Best Local Similarity 90.9%; Pred. No. 1.4e+03;
 Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 931 TCCCTCTCTTT 941
 |||||
 Db 2 TCCCTCTCTTT 12

RESULT 2508
 AAZ55640
 ID AAZ55640 standard; DNA; 14 BP.
 XX
 AC AAZ55640;
 XX
 DT 30-MAR-2000 (first entry)
 XX
 DE Immunosuppressant inhibitor oligonucleotide TGF-beta-3-rwk-14.
 XX
 KW Immunosuppressant inhibitor; transforming growth factor beta; TGF beta;
 KW vascular endothelial growth factor; VEGF; interleukin-10; IL-10; cancer;
 KW prostaglandin E2; PGE2; immune response; tumour; asthma; Crohn's disease;
 KW monocyte chemotactic protein-1; MCP-1; ulcerative colitis; diabetes;
 KW glomerulonephritis; acute respiratory distress syndrome; ss;
 KW atherosclerosis.
 XX
 OS Unidentified.
 XX
 PN WO9963975-A2.
 XX
 PD 16-DEC-1999.
 XX
 PF 10-JUN-1999; 99WO-EP004013.
 XX
 PR 10-JUN-1998; 98EP-00110709.
 PR 25-JUL-1998; 98EP-00113974.
 XX
 PA (BIOG-) BIOGNOSTIK GES BIOMOLEKULARE DIAGNOSTIK.
 XX
 PI Schlingensiepen K, Schlingensiepen R, Brysch W;
 XX
 DR WPI; 2000-097470/08.
 XX
 PT Composition containing immune stimulant and inhibitor of agent that
 PT adversely affects the immune response, for treating cancers and
 PT infections.
 XX
 PS Claim 10; Fig 1; 30pp; English.
 CC
 CC This sequence is an immunosuppressant inhibitor oligonucleotide, which is
 CC used in the invention. The invention relates to a composition which
 CC contains at least one inhibitor (less than 100 kD) of a substance (e.g.
 CC transforming growth factor TGF-beta, vascular endothelial growth factor
 CC VEGF, interleukin-10 IL-10, prostaglandin E2 PGE2, or their receptors)
 CC that adversely affects the immune response. The composition also includes
 CC at least one stimulant that positively affects the immune response. This
 CC oligonucleotide is an example of an inhibitor that is used in the
 CC composition. The composition is used as an immunostimulant for the
 CC treatment of neoplasms and infections, particularly hyperproliferation;
 CC leukaemia; (non-)Hodgkin's lymphoma; carcinoma (of oesophagus, bronchi,
 CC colon-rectum, stomach, intestine, gall bladder or duct, pancreas, anus,
 CC breast, ovary, cervix, endometrium, prostate or bladder), liver tumours,
 CC malignant melanoma, brain tumours and sarcomas. The oligonucleotides,
 CC most of which are directed against TGFbeta or VEGF, are inhibitors of
 CC monocyte chemotactic protein-1 (MCP-1) and are useful as anti-
 CC inflammatory for treating e.g. asthma, Crohn's disease, ulcerative
 CC colitis, diabetes, glomerulonephritis, acute respiratory distress
 CC syndrome and the formation of atherosclerotic plaque
 XX

SQ Sequence 14 BP; 1 A; 7 C; 0 G; 6 T; 0 U; 0 Other;
 Query Match 12.9%; Score 9.4; DB 1; Length 14;
 Best Local Similarity 90.9%; Pred. No. 1.4e+03;
 Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 932 CCTCTCTCTTC 942
 |||||
 Db 3 CCTCTCTCTTC 13

RESULT 2509
 AAA37592/c
 ID AAA37592 standard; DNA; 14 BP.
 XX
 AC AAA37592;
 XX
 DT 15-AUG-2000 (first entry)
 XX
 PNA sequence #50 used to inhibit telomerase activity.
 DE
 XX Peptide nucleic acid; PNA; telomerase; ribonucleoprotein enzyme; cancer;
 KW inhibitor; neoplasia; neurodegenerative disease; aging; hyperplasia;
 KW AIDS; HIV; fungal infection; forensic identification; detect; tumour;
 KW paternity testing; ss.
 OS
 XX Synthetic.
 XX
 FH Key
 FT misc_feature
 FT 1..14
 FT /tag= a
 FT /note= "Peptide nucleic acid molecule, where N-(2-
 FT aminoethyl)glycine units are linked to nucleotide bases
 FT via glycine amino N through a methylenecarbonyl linker"
 XX
 XX US6046307-A.
 PN
 XX
 XX
 PD 04-APR-2000.
 XX
 PF 09-APR-1997; 97US-00838545.
 XX
 PR 09-APR-1996; 96US-00630019.
 XX
 XX (TEXA) UNIV TEXAS SYSTEM.
 PA
 XX
 PI Wright WE, Piatyszek MA, Shay JW, Norton JC, Corey DR;
 XX
 DR WPI; 2000-292432/25.
 XX
 PT New peptide nucleic acid (PNA) compounds that inhibit telomerase activity
 PT in mammalian cells is useful as probes to detect the RNA component of a
 PT mammalian telomerase.
 XX
 XX Example 2; Col 37; 45pp; English.
 PS
 CC The present sequence represents a peptide nucleic acid molecule which
 CC hybridises to the mRNA component of mammalian telomerase, and inhibits
 CC telomerase activity. Telomerase is a ribonucleoprotein enzyme that
 CC synthesizes one strand of the telomeric DNA, using as a template an 11
 CC nucleotide sequence contained within the RNA component of the enzyme. The
 CC invention relates to PNA molecules having a sequence of no more than 25
 CC bases, which include the sequence GTTAGG. The uncharged nature of the PNA
 CC backbone increases the melting temperature of associating strands,
 CC increases the rate of association with targeted nucleic acids, and
 CC affords greater resistance of degradation by proteases or nucleases. The
 CC therapeutic PNAs may be used for treating disease conditions such as
 CC cancers, neoplasia, hyperplasia, neurodegenerative diseases, aging, human
 CC immunodeficiency virus (HIV) infection/AIDS (acquired immunodeficiency
 CC syndrome) and associated pathologies, fungal infections, and other
 CC diseases characterized by abnormal telomere metabolism or telomerase
 CC activity, in combination with antineoplastic and other cytotoxic or
 CC cytostatic agents, antifungal agents, and other nucleotides. PNAs may be
 CC used for molecular diagnostics, labelled PNAs are used as hybridization
 CC probes to detect or quantitate polynucleotides having a human telomerase
 CC RNA (hTR) sequence. PNA probes are also used for forensic identification
 CC of individuals, e.g. paternity testing, based on hTR gene restriction
 CC fragment length polymorphism (RFLP) pattern. PNAs are also useful as
 CC probes to detect the RNA component of a mammalian telomerase and as
 CC inhibitors of telomerase activity. The method of the present invention
 CC allows cancerous conditions to be detected with increased confidence and
 CC possibly at an earlier stage, before cells are detected as cancerous
 CC based on pathological characteristics. The diagnostic and prognostic
 CC methods of the present invention can be used to detect an immortal or
 CC neoplastic cell or tumour tissue or cancer of any origin, provided the

CC cell expresses telomerase activity and its RNA component
 XX
 SQ Sequence 14 BP; 8 A; 2 C; 2 G; 2 T; 0 U; 0 Other;
 Query Match 12.9%; Score 9.4; DB 1; Length 14;
 Best Local Similarity 90.9%; Pred. No. 1.4e+03;
 Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
 Qy 910 TTCTTTGGTCT 920
 Db 12 TTTTTGGTCT 2
 RESULT 2510
 ID AAZ59891 standard; DNA; 14 BP.
 XX
 AC AAZ59891;
 XX
 DT 08-MAY-2000 (first entry)
 XX
 DE Adenovirus minimal packaging element, A repeat AII.
 XX
 KW Adenovirus; minimal packaging element; A repeat; repressor binding site;
 KW DNA delivery; ds.
 XX
 XX Mastadenovirus.
 OS
 XX WO9953085-A2.
 PN
 XX 21-OCT-1999.
 PD
 XX 15-APR-1999; 99WO-US008294.
 PF
 XX 15-APR-1998; 98US-0081867P.
 PR
 OS-JUN-1998; 98US-0088321P.
 XX
 XX (UNIV) UNIV NEW YORK STATE RES FOUND.
 PA
 XX
 PI Hearing P, Schmid SI, Ostapchuk PH, Erturk E;
 XX
 DR WPI; 2000-052657/04.
 XX
 PT Regulating adenoviral packaging by incorporation of repressor binding
 PT sites that allow selective suppression of packaging, used for gene
 PT therapy.
 XX
 XX Disclosure; Page 15; 71pp; English.
 PS
 CC The invention relates to the regulation of adenoviral packaging. The
 CC method of the invention comprises propagating an adenoviral vector
 CC containing a repressor binding site, in the absence of the repressor.
 CC After propagation, vector packaging is repressed by the appropriate
 CC repressor protein. The invention also encompasses an adenoviral vector
 CC that includes an adenoviral packaging sequence containing several COUP-TF
 CC (chicken ovalbumin upstream promoter transcription factor) binding sites
 CC (AAZ5991). Adenoviral vectors containing repressor binding sites are
 CC used for DNA delivery, e.g., for expression of a therapeutic protein; in
 CC genetic immunisation; or to produce antiviral DNA or antisense RNA.
 CC Typical heterologous genes that can be expressed include those for
 CC interleukin-2, alpha1-antitrypsin, cystic fibrosis transmembrane
 CC conductance regulator and coagulation factor VIII. These vectors have
 CC very large capacity (up to 36 kb) for foreign DNA and minimise the risk
 CC of generating replication competent virus (since vector and helper virus
 CC can be designed such that they have no overlapping packaging sequences
 CC that might permit homologous recombination). The presence of the
 CC repressor binding site allows selective inhibition of virion production
 CC (i.e., packaging of one vector in presence of another). Sequences
 CC AAZ5990-259896 represent adenovirus minimal packaging elements,
 CC designated A repeats AI-AVII, and AAZ59897 represents a consensus of
 CC these A repeats
 XX
 SQ Sequence 14 BP; 1 A; 3 C; 3 G; 7 T; 0 U; 0 Other;

Query Match 12.9%; Score 9.4; DB 1; Length 14;
 Best Local Similarity 90.9%; Pred. No. 1.4e+03;
 Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 902 TGGTCATTTTC 912
 ||| |||||
 Db 3 TGGCCATTTTC 13

RESULT 2511
 AAS15463/C
 ID AAS15463 standard; DNA; 14 BP.
 AC AAS15463;
 XX 14-FEB-2002 (first entry)
 DE PNA 1 inhibiting human and mammalian telomerase activity.
 XX Mammalian; peptide nucleic acid; probe; forensic; paternity testing;
 KW human telomerase RNA component; hTR gene RFLP pattern; cancer;
 KW inflammation; lymphoproliferative disease; autoimmune disease;
 KW neurodegenerative disease; neoplasia; hyperplasia; HIV; AIDS;
 KW human immunodeficiency virus; acquired immunodeficiency syndrome;
 KW telomere metabolism; mutant; cytostatic; anti-inflammatory;
 KW immunosuppressive; polyamide backbone; ss.
 XX Homo sapiens.
 OS Synthetic.
 XX Key Location/Qualifiers
 FT modified_base 1..14
 FT /*tag= a
 FT /note= "This sequence is a peptide nucleic acid, i.e. it
 contains a polyamide backbone instead of a deoxyribose
 backbone"
 XX US6294650-B1.
 XX 25-SEP-2001.
 XX 08-JUL-1999; 99US-00349532.
 XX 09-APR-1996; 96US-00630019.
 XX 09-APR-1997; 97US-00838545.
 XX (TEXA) UNIV TEXAS SYSTEM.
 XX Shay JW, Wright WE, Piatyszek MA, Corey DR, Norton JC;
 PI WPI; 2001-638024/73.
 XX New peptide nucleic acids that hybridizes to the RNA component of
 PT mammalian telomerase, useful for treating or preventing cancer,
 PT inflammation, lymphoproliferative diseases, autoimmune disease, or
 PT neurodegenerative diseases.
 XX Example 2; Col 37-38; 46pp; English.
 PS The present invention relates to peptide nucleic acids (PNAs), comprising
 CC a sequence of 6-25 nucleobases, that inhibit telomerase activity in
 CC mammalian cells by hybridising to the RNA component of mammalian
 CC telomerase. The PNAs are useful as probes to detect the RNA component of
 CC mammalian telomerase and as inhibitors of telomerase activity, or to
 CC detect and/or quantitate polynucleotide having the human telomerase RNA
 CC component (hTR) sequence, as well as in forensic identification of
 CC individuals, such as paternity testing or identification of criminal
 CC suspects or unknown descendants based on the hTR gene RFLP pattern. The
 CC PNA can be further used for treating or preventing cancer, inflammation,
 CC lymphoproliferative diseases, autoimmune disease, or neurodegenerative
 CC diseases. The PNAs in combination with other pharmaceuticals (such as
 CC antineoplastic or cytostatic agents) can be used for treating neoplasia,

CC hyperplasia, human immunodeficiency virus (HIV) infections, acquired
 CC immunodeficiency syndrome (AIDS) and associated pathologies, and other
 CC diseases characterised by abnormal telomere metabolism or telomerase
 CC activity. The present sequence represents one of the PNA sequences of the
 CC invention
 XX Sequence 14 BP; 8 A; 2 C; 2 G; 2 T; 0 U; 0 Other;
 Query Match 12.9%; Score 9.4; DB 1; Length 14;
 Best Local Similarity 90.9%; Pred. No. 1.4e+03;
 Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 910 TTCTTTGGTCT 920
 ||| |||||
 Db 12 TTTTGTGGTCT 2

RESULT 2512
 ABL42252/C
 ID ABL42252 standard; DNA; 14 BP.
 XX ABL42252;
 XX 29-AUG-2003 (revised)
 DT 01-JUL-2002 (first entry)
 XX Animal cis-regulatory sequence from MyoD.
 XX DNA fingerprinting; cancer; agriculture; breeding; PCR; primer;
 KW gene family; ds.
 XX Metazoa.
 XX WO200162967-A2.
 XX 30-AUG-2001.
 XX 19-FEB-2001; 2001WO-IL000151.
 XX 22-FEB-2000; 2000IL-00134660.
 XX 02-JUL-2000; 2000IL-00137124.
 XX 20-AUG-2000; 2000IL-00137959.
 XX (GENE-) GENENEA LTD.
 XX (AGRI-) AGRIC RES ORG NEWE YA'AR RES CENTE.
 XX Vidar B, Katzir N;
 XX WPI; 2002-239525/29.
 XX Polymerase chain reaction based method of DNA fingerprinting, useful for
 PT analyzing genes, e.g. for identifying genes involved in cancer formation,
 PT involves using a mix of primers that match the conserved regions of a
 PT gene family.
 XX Example; Page 16; 28pp; English.
 PS The invention relates to a polymerase chain reaction (PCR) based method
 CC of DNA fingerprinting, comprising using primers that match the conserved
 CC regions of a gene family. The method is useful for gene expression
 CC analysis of any cell or tissue, or for the performance of DNA
 CC fingerprinting analysis of the same organism in order that one will
 CC reveal the function of a gene that produced differential product between
 CC genotypes. The method is also useful for identifying PCR reactions that
 CC contain a gene of interest in a gene family reverse transcriptase (RT)-
 CC PCR expression analysis. The method is also useful for identifying genes
 CC that belong to a gene family that might be involved in cancer formation.
 CC The method is particularly useful for comparing genomic sequences. These
 CC are also applicable in agriculture (e.g. to mark useful genes to assist
 CC breeding). The current sequence represents an animal cis-regulatory
 CC sequence. This is used in DNA fingerprinting using primers or a mix
 CC of primers that match the sequence of ubiquitous cis-acting regulatory
 CC elements. (Updated on 29-AUG-2003 to standardise OS field)

```

XX SQ Sequence 14 BP; 4 A; 4 C; 4 G; 2 T; 0 U; 0 Other;
Query Match 12.9%; Score 9.4; DB 1; Length 14;
Best Local Similarity 90.9%; Pred. No. 1.4e+03;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 900 CCTGTCATTT 910
DB 12 CCTGTCAGTT 2

RESULT 2513
AAQ10579
ID AAQ10579 standard; DNA; 14 BP.
AC AAQ10579;
XX
XX 10-MAY-1991 (first entry)
XX
XX Probe for detecting human factor IX encoding plasmid clone.
XX
XX Human factor IX; genetic deficiencies; blood clotting disorders;
XX haemophilia B; ss.
XX
XX Homo sapiens.
XX
XX US4994371-A.
XX
XX 19-FEB-1991.
XX
XX 19-MAY-1989; 89US-00355900.
XX
XX 16-MAY-1985; 85US-00735702.
XX
XX 18-JUL-1986; 86US-00888041.
XX
XX 28-AUG-1987; 87US-00094031.
XX
XX (DAVI/) DAVIE E W.
XX
XX Davie EW, Kurachi K;
XX
XX WPI; 1991-072901/10.
XX
XX DNA coding for human factor IX - used for producing polypeptide and
XX detecting genetic modifications in diagnosing blood clotting
XX deficiencies.
XX
XX Disclosure; Page 7; 12pp; English.
XX
XX This probe is used to screen a human liver cDNA library for the presence
XX of a clone (pFIX1) contg. the coding information for human factor IX.
XX The recombinant DNA clone is useful for detecting mutations or other
XX genetic deficiencies concerned with factor IX. It can also be used to
XX diagnose blood clotting deficiencies e.g. haemophilia B. The use of
XX recombinant DNA methods results in the large scale expression of hFIX
XX polypeptides. See also AAQ10577-78
XX
XX Sequence 14 BP; 2 A; 3 C; 0 G; 6 T; 0 U; 3 Other;

Query Match 12.6%; Score 9.2; DB 1; Length 14;
Best Local Similarity 64.3%; Pred. No. 1.5e+03;
Matches 9; Conservative 3; Mismatches 2; Indels 0; Gaps 0;

QY 918 TCTTTCCTTTAT 931
DB 1 TAVTTCCTTCAT 14

RESULT 2514
AAQ78469
ID AAQ78469 standard; DNA; 14 BP.
XX
XX AAQ78469;

```

```

XX 25-MAR-2003 (revised)
XX 27-JUN-1995 (first entry)
XX
XX TGF-beta gene phosphorothioate antisense oligonucleotide.
XX
XX Transforming growth factor beta; TGF-beta; antisense; treatment; tumour;
XX angiogenesis; breast tumour; neurofibroma; glioma; glioblastoma;
XX carcinogenesis; carcinoma; oesophagus; oesophageal; gastric; gut;
XX immunosuppression; oligonucleotide; ss.
XX
XX Synthetic.
XX
XX WO9425588-A2.
XX
XX 10-NOV-1994.
XX
XX 29-APR-1994; 94WO-EP001362.
XX
XX 30-APR-1993; 93EP-00107089.
XX
XX 13-MAY-1993; 93EP-00107849.
XX
XX (BIOG-) BIOGNOSTIK GES BIOMOLEKULARE DIAGNOSTIK.
XX
XX Schlingensiepen G, Brysch W, Schlingensiepen K, Schlingensiepen R;
XX Bogdahn U;
XX
XX WPI; 1994-358266/44.
XX
XX New transforming growth factor beta anti-sense oligonucleotide(s) - for
XX treating immunosuppression, tumours, etc.
XX
XX Claim 6; Page 58; 74pp; English.
XX
XX The antisense oligonucleotides are useful in the treatment of tumours in
XX which expression of TGF-beta is of relevance for pathogenicity and/or
XX inhibition of pathological angiogenesis. They are used especially for the
XX treatment of the immunosuppressive effect of TGF-beta, augmentation of
XX the proliferation of cytotoxic lymphocytes, treatment of endogenous
XX hyperexpression of TGF-beta, treatment of breast tumours, neurofibromas
XX and malignant gliomas, including glioblastomas, treatment and prophylaxis
XX of skin carcinogenesis, and treatment of oesophageal and gastric
XX carcinomas. See AAQ78352-Q78488. The sequences given in GENESQ files
XX AAQ78352-Q78407 and AAQ78488 are antisense oligodeoxynucleotides of TGF-
XX beta 1. The sequences given in GENESQ files AAQ78408-78487 are antisense
XX oligodeoxynucleotides of TGF-beta 2 in the form of phosphorothioate
XX analogues. (Updated on 25-MAR-2003 to correct PN field.)
XX
XX SQ Sequence 14 BP; 1 A; 2 C; 5 G; 6 T; 0 U; 0 Other;

Query Match 12.6%; Score 9.2; DB 1; Length 14;
Best Local Similarity 78.6%; Pred. No. 1.5e+03;
Matches 11; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 945 TGGTTTAATGTCATC 958
DB 1 TGGTTTCGTGATC 14

RESULT 2515
AAV06882
ID AAV06882 standard; DNA; 14 BP.
XX
XX AAV06882;
XX
XX 01-JUL-1998 (first entry)
XX
XX One from an array of 58 cystic fibrosis oligonucleotides.
XX
XX H-ras; wild-type; immobilising; diagnosis; ethylene acrylic acid;
XX ethylene methacrylic acid; polypropylene; biotin; cystic fibrosis; array;
XX ss.
XX

```

OS Synthetic.
 XX WO9746597-A1.
 XX
 XX 11-DEC-1997.
 XX
 XX 22-MAY-1997; 97WO-US008880.
 XX
 XX 05-JUN-1996; 96US-00658664.
 XX
 XX (BECI) BECKMAN INSTR INC.
 XX
 XX Milton RC;
 XX
 XX WPI; 1998-051910/05.
 XX
 XX Polymeric reagents for immobilising biopolymers - are stable under
 PT synthesis conditions.
 XX
 XX Example 7; Fig 19; 66pp; English.
 XX
 XX The present sequence represents one of an array of 58 cystic fibrosis
 CC oligonucleotides. The invention relates to a new reagent for immobilising
 CC a biopolymer. It comprises a solid support fabricated from a polymeric
 CC material having at least one surface comprising pendant acyl fluoride
 CC functionalities. The reagent is stable under conditions for synthesising
 CC and immobilising biopolymers and is stable under conditions used to
 CC analyse the biopolymers. The reagents can be formed into devices which
 CC are physically rugged and inexpensive which can be used in analytical and
 CC diagnostic procedures
 XX
 XX Sequence 14 BP; 1 A; 3 C; 3 G; 7 T; 0 U; 0 Other;
 SQ
 Query Match 12.6%; Score 9.2; DB 1; Length 14;
 Best Local Similarity 78.6%; Pred. No. 1.5e+03;
 Matches 11; Conservative 0; Mismatches 3; Indels 0; Gaps 0;
 QY 909 TTTCTTGGCTTT 922
 DB 1 TTTCTGGGACTCT 14
 RESULT 2516
 AAV11925
 ID AAV11925 standard; DNA; 14 BP.
 XX
 XX AAV11925;
 AC
 XX 13-AUG-1998 (first entry)
 DT
 DE Hepatocyte growth factor inhibiting oligonucleotide #17.
 XX
 XX Hepatocyte growth factor; HGF; c-Met; modulator; inhibitor;
 KW antitumour agent; anti-metastasis agent; primer; ss.
 XX
 XX Synthetic.
 OS
 XX JP10127286-A.
 XX
 XX 19-MAY-1998.
 PD
 XX 01-NOV-1996; 96JP-00291499.
 XX
 XX (TERU) TERUMO CORP.
 PA
 XX WPI; 1998-340665/30.
 DR
 XX Oligo:nucleotide inhibiting HGF production - useful as antitumour and
 PT anti-metastatic agent.
 XX
 XX Claim 10; Page 10; 15pp; Japanese.
 PS

XX AAV11909-V11925, AAV11927 and AAV11928 are oligonucleotide primers used
 CC to identify sequences which modulate or inhibit expression, production or
 CC reception of hepatocyte growth factor (HGF) or expression of c-Met. Such
 CC oligonucleotides are useful as antitumour or anti-metastasis agents
 XX
 XX Sequence 14 BP; 0 A; 8 C; 0 G; 6 T; 0 U; 0 Other;
 SQ
 Query Match 12.6%; Score 9.2; DB 1; Length 14;
 Best Local Similarity 78.6%; Pred. No. 1.5e+03;
 Matches 11; Conservative 0; Mismatches 3; Indels 0; Gaps 0;
 QY 926 TTTTATCCCTCTC 939
 DB 1 TTCCTTCCCTCTC 14
 RESULT 2517
 AAV11924/C
 ID AAV11924 standard; DNA; 14 BP.
 XX
 XX AAV11924;
 AC
 XX 13-AUG-1998 (first entry)
 DT
 XX Hepatocyte growth factor inhibiting oligonucleotide #16.
 DE
 XX Hepatocyte growth factor; HGF; c-Met; modulator; inhibitor;
 KW antitumour agent; anti-metastasis agent; primer; ss.
 XX
 XX Synthetic.
 OS
 XX JP10127286-A.
 XX
 XX 19-MAY-1998.
 PD
 XX 01-NOV-1996; 96JP-00291499.
 XX
 XX 01-NOV-1996; 96JP-00291499.
 XX
 XX (TERU) TERUMO CORP.
 PA
 XX WPI; 1998-340665/30.
 DR
 XX Oligo:nucleotide inhibiting HGF production - useful as antitumour and
 PT anti-metastatic agent.
 XX
 XX Claim 10; Page 10; 15pp; Japanese.
 PS
 XX AAV11909-V11925, AAV11927 and AAV11928 are oligonucleotide primers used
 CC to identify sequences which modulate or inhibit expression, production or
 CC reception of hepatocyte growth factor (HGF) or expression of c-Met. Such
 CC oligonucleotides are useful as antitumour or anti-metastasis agents
 XX
 XX Sequence 14 BP; 6 A; 0 C; 8 G; 0 T; 0 U; 0 Other;
 SQ
 Query Match 12.6%; Score 9.2; DB 1; Length 14;
 Best Local Similarity 78.6%; Pred. No. 1.5e+03;
 Matches 11; Conservative 0; Mismatches 3; Indels 0; Gaps 0;
 QY 926 TTTTATCCCTCTC 939
 DB 14 TTCCTTCCCTCTC 1
 RESULT 2518
 AAV97202
 ID AAV97202 standard; RNA; 14 BP.
 XX
 XX AAV97202;
 AC
 XX 01-MAR-1999 (first entry)
 DT
 XX

	Potato citrate synthase target sequence position 539.
DE	Solanidine; glucosyltransferase; potato; citrate synthase; target;
XW	hammerhead ribozyme; hairpin ribozyme; alkaloid biosynthesis;
KX	flower formation; cleavage; solanaceous plant; ss.
XX	
OS	Solanum tuberosum.
XX	
FN	WO9832843-A2.
XX	
PD	30-JUL-1998.
XX	
PF	14-JAN-1998; 98WO-US000738.
XX	
PR	28-JAN-1997; 9TUS-003654SP.
XX	
PP	28-JAN-1997; 9TUS-0036599P.
XX	
PR	24-NOV-1997; 9TUS-00979416.
XX	
PA	(RIBO-) RIBOZYME PHARM INC.
XX	
PI	Zwick MG, Meswigen JA,
XX	
DR	WIPI; 1998-427939/36.
XX	
CC	New enzymatic nucleic acid(s) - useful for, e.g. reducing alkaloid
PT	biosynthesis or regulating flowering.
XX	
PS	Claim 54; Page 59; 79pp; English.
XX	
CC	The present invention describes enzymatic nucleic acid molecules with RNA
CC	-cleaving activity (e.g. ribozymes) which are capable of modulating the
CC	expression of plant genes: (i) involved in biosynthesis of alkaloids; or
CC	(ii) involved in flower formation. AAV95982 to AAV96334, and AAV96335 to
CC	AAV96354 represent potato solanine glucosyltransferase hammerhead and
CC	hairpin ribozymes, respectively. AAV95629 to AAV95981, and AAV96355 to
CC	AAV96734 represent potato solandine glucosyltransferase target
CC	sequences. AAV96773 to AAV97170, and AAV97171 to AAV97195 represent
CC	potaoto citrate synthase hammerhead and hairpin ribozymes, respectively.
CC	AAV96735 to AAV96772, and AAV97196 to AAV97220 represent potao citoate
CC	synthase target sequences. Ribozymes of the present invention can be used
CC	to inhibit the synthesis of toxic alkaloids in solanaceous plants.
CC	Particularly potato but also tomato, pepper, aubergine and ditura or to
CC	inhibit flowering in potato, lettuce, spinach, cabbage, brussel sprouts,
CC	arugula, kale, collards, chard, beet, turnip, sweet potato and turf
CC	grass. Also the ribozymes can be used for RNA manipulation in the same
CC	way that restriction endonucleases are for DNA, as well as to examine
CC	genetic drift and mutations in plants and to detect specific RNA. The
CC	ribozymes can be targeted to specific genes or to consensus sequences
CC	within a family of related genes, and being catalytic need to be present
CC	at only very low concentrations
XX	
SQ	Sequence 14 BP; 3 A; 5 C; 1 G; 0 T; 5 U; 0 Other;
	Query Match 12.6%; Score 9.2; DB 1; Length 14;
	Best Local Similarity 42.9%; Pred. No. 1.5e+03;
	Matches 6; Conservative 5; Mismatches 3; Indels 0; Gaps 0;
QY	931 TCCTCCTCTTCAT 944 :: : : :
Dd	1 UCUCGUAUCAU 14
	RESULT 2519
ID	AXA61182/C
XX	AXA61182 standard; DNA; 14 BP.
AC	AAX61182;
DT	28-JUL-1999 (first entry)
XX	
DE	Human chromosome alpha-satellite region.
XX	
KW	Probe: human; chromosome 17 triple-helix forming oligonucleotide;
XX	genetic disorder; missing chromosome; aneu ploidy; chromosome 21;
XX	infectious disease; diagnosis; alpha-satellite region; ss.
XX	
OS	Homo sapiens.
XX	
PN	WO9924622-A1.
XX	
PD	20-MAY-1999.
XX	
PF	10-NOV-1998; 98MO-US023765.
XX	
PR	10-NOV-1997; 97US-0064997P.
XX	
PA	(UYPR-) UNIV PRINCETON.
XX	
PI	Johnson MD, Fresco JR;
XX	
DR	WIPI; 1999-327425/27.
XX	
PT	No vel use of triple helix forming oligonucleotides, useful for in situ
XX	detection of double stranded target sequence.
PS	Claim 19; Page 13; 45pp; English.
XX	
CC	This sequence represents a human chromosome alpha-satellite region. The
CC	invention relates to the use of a triple-helix forming oligonucleotide
CC	for in situ detection of a double-stranded target nucleic acid sequence.
CC	The method can be used to detect a genetic disorder e.g. to detect an
CC	extra or missing chromosome or fragment or aneuploidy, especially for
CC	detecting an extra or missing chromosome 17 or 21. The method can be also
CC	be used to screen for individuals at risk of developing a disease or for
CC	diagnosing an infectious disease. The use of triple helix forming
CC	oligonucleotides allows in situ detection of double stranded target
CC	sequence as opposed to prior art uses of developing potential anti-gene
CC	therapeutic agents or artificial restriction endonucleases
XX	
SQ	Sequence 14 BP; 7 A; 0 C; 6 G; 1 T; 0 U; 0 Other;
	Query Match 12.6%; Score 9.2; DB 1; Length 14;
	Best Local Similarity 78.6%; Pred. No. 1.5e+03;
	Matches 11; Conservative 0; Mismatches 3; Indels 0; Gaps 0;
QY	920 TTGGCGTTTATCC 933
Dd	14 TTGCCCTTTACC 1
	RESULT 2520
ID	AXA61148/c
XX	AXA61148 standard; DNA; 14 BP.
AC	AAX61148;
DT	28-JUL-1999 (first entry)
XX	
DE	Human chromosome alpha-satelllite region.
XX	
KW	Probe; human; chromosome 17 triple-helix forming oligonucleotide;
KW	genetic disorder; missing chromosome; aneu ploidy; chromosome 21;
KW	infectious disease; diagnosis; alpha-satellite region; ss.
XX	
OS	Homo sapiens.
XX	
PN	WO9924622-A1.
XX	
PD	20-MAY-1999.
XX	
PF	10-NOV-1998; 98MO-US023765.
XX	
PR	10-NOV-1997; 97US-0064997P.
XX	
PA	(UYPR-) UNIV PRINCETON.
XX	
FW	Probe: human; chromosome 17 triple-helix forming oligonucleotide;

PI Johnson MD, Fresco JR;
 XX WPI; 1999-327425/27.
 XX Novel use of triple helix forming oligonucleotides, useful for in situ
 PT detection of double stranded target sequence.
 XX Claim 19; Page 11; 45pp; English.
 XX This sequence represents a human chromosome alpha-satellite region. The
 CC invention relates to the use of a triple-helix forming oligonucleotide
 CC for in situ detection of a double-stranded target nucleic acid sequence.
 CC The method can be used to detect a genetic disorder e.g. to detect an
 CC extra or missing chromosome or fragment or aneuploidy, especially for
 CC detecting an extra or missing chromosome 17 or 21. The method can be also
 CC be used to screen for individuals at risk of developing a disease or for
 CC diagnosing an infectious disease. The use of triple helix forming
 CC oligonucleotides allows in situ detection of double stranded target
 CC sequence as opposed to prior art uses of developing potential anti-gene
 CC therapeutic agents or artificial restriction endonucleases
 XX Sequence 14 BP; 8 A; 0 C; 5 G; 1 T; 0 U; 0 Other;
 SQ

Query Match 12.6%; Score 9.2; DB 1; Length 14;
 Best Local Similarity 78.6%; Pred. No. 1.5e+03;
 Matches 11; Conservative 0; Mismatches 3; Indels 0; Gaps 0;
 QY 921 TTCCCTTTTATCCC 934
 DB 14 TTCCCTTTTATACC 1

RESULT 2521
 AAX14931
 ID AAX14931 standard; DNA; 14 BP.
 AC AAX14931;
 DT 24-MAR-1999 (first entry)
 DE Triple helix third strand of 23S rRNA gene nucleotides 663-676.
 XX
 KW Triplex formation; DNA detection; triple helix; identification; bacteria;
 KW oncogene; virus; ss.
 XX Synthetic.
 OS Haemophilus influenzae.
 PN US5861244-A.
 XX
 PD 19-JAN-1999.
 XX
 PF 22-DEC-1993; 93US-00173489.
 XX
 PR 29-OCT-1992; 92US-00968436.
 XX
 PA (PROF-) PROFILE DIAGNOSTIC SCI INC.
 XX
 PI Hepburn AG, Wang C;
 XX WPI; 1999-130384/11.
 XX Assay of genetic sequences based on triplex formation from double
 PT stranded analyte - and hybrid of anchor and reporter sequences, with
 PT reporter released if triplex formation occurs, used e.g. to identify
 PT bacteria.
 XX Disclosure; Col 23-24; 168pp; English.
 XX The present sequence represents a polynucleotide that is able to form a
 CC triple helix with a double stranded sequence. Cytosine bases in the
 CC present can be replaced with 5-methylcytosine for increased triplex
 CC stability. The present sequence is used in the assay of the invention,

CC where it can be part of the anchor DNA or reporter DNA sequence. The
 CC assay comprises adding a sample containing double-stranded DNA test
 CC sequences to an aqueous medium containing at least one complex of anchor
 CC DNA, attached to a solid support, and reporter DNA, where either a part
 CC of the anchor DNA or reporter DNA is designed to form a triple-strand
 CC structure with part of the test sequence. Triplex formation results in
 CC displacement of the reporter DNA which is detected as an indication of
 CC the presence of the DNA test sequence. The method is used to detect DNA
 CC sequences, particularly for identification of bacteria (by detecting
 CC genes for ribosomal RNA) in clinical samples, but also detection of
 CC oncogenes and Hepatitis B virus
 SQ Sequence 14 BP; 0 A; 8 C; 1 G; 5 T; 0 U; 0 Other;
 Query Match 12.6%; Score 9.2; DB 1; Length 14;
 Best Local Similarity 78.6%; Pred. No. 1.5e+03;
 Matches 11; Conservative 0; Mismatches 3; Indels 0; Gaps 0;
 QY 931 TCCCTCCTCTTCAT 944
 DB 1 TCCCTCCTCCTCTT 14

RESULT 2522
 AAX14710/C
 ID AAX14710 standard; DNA; 14 BP.
 AC AAX14710;
 XX
 DT 24-MAR-1999 (first entry)
 DE Triple helix forming nucleotides 250-263 of Prealbumin gene.
 XX
 KW Triple-helix forming region; Triplex formation; DNA detection;
 KW identification; bacteria; oncogene; virus; ds.
 XX Homo sapiens.
 XX US5861244-A.
 XX
 PD 19-JAN-1999.
 XX
 PF 22-DEC-1993; 93US-00173489.
 XX
 PR 29-OCT-1992; 92US-00968436.
 XX
 PA (PROF-) PROFILE DIAGNOSTIC SCI INC.
 XX
 PI Hepburn AG, Wang C;
 XX WPI; 1999-130384/11.
 XX Assay of genetic sequences based on triplex formation from double
 PT stranded analyte - and hybrid of anchor and reporter sequences, with
 PT reporter released if triplex formation occurs, used e.g. to identify
 PT bacteria.
 XX Disclosure; Col 17-18; 168pp; English.
 XX The present sequence represents a potential triple-helix forming region.
 CC It can be used to demonstrate the assay of the invention. The assay
 CC comprises adding a sample containing double-stranded DNA test sequences,
 CC e.g. containing the present sequence, to an aqueous medium containing at
 CC least one complex of anchor DNA, attached to a solid support, and
 CC reporter DNA, where either a part of the anchor DNA or reporter DNA is
 CC designed to form a triple-strand structure with part of the test
 CC sequence. Triplex formation results in displacement of the reporter DNA
 CC which is detected as an indication of the presence of the DNA test
 CC sequence. The method is used to detect DNA sequences, particularly for
 CC identification of bacteria (by detecting genes for ribosomal RNA) in
 CC clinical samples, but also detection of oncogenes and Hepatitis B virus
 XX Sequence 14 BP; 8 A; 0 C; 6 G; 0 T; 0 U; 0 Other;
 SQ

Query Match 12.6%; Score 9.2; DB 1; Length 14;
 Best Local Similarity 78.6%; Pred. No. 1.5e+03;
 Matches 11; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 926 TTTTATCCTCCTC 939
 |||||
 DB 14 TTTTTCCTCCTC 1

RESULT 2523
 AAX14691
 ID AAX14691 standard; DNA; 14 BP.
 XX
 AC AAX14691;
 XX
 DT 24-MAR-1999 (first entry)
 XX
 DE Triple helix third strand of retinoblastoma gene nucleotides 281-394.
 XX
 KW Triplex formation; DNA detection; triple helix; identification; bacteria;
 KW oncogene; virus; ss.
 XX
 OS Synthetic.
 OS Homo sapiens.
 XX
 PN US5861244-A.
 XX
 PD 19-JAN-1999.
 XX
 PF 22-DEC-1993; 93US-00173489.
 XX
 PR 29-OCT-1992; 92US-00968436.
 XX
 PA (PROF-) PROFILE DIAGNOSTIC SCI INC.
 XX
 PI Hepburn AG, Wang C;
 XX
 DR WPI; 1999-130384/11.
 XX
 PT Assay of genetic sequences based on triplex formation from double
 PT stranded analyte - and hybrid of anchor and reporter sequences, with
 PT reporter released if triplex formation occurs, used e.g. to identify
 PT bacteria.
 XX
 PS Disclosure; Col 15-16; 168pp; English.
 XX
 CC The present sequence represents a polynucleotide that is able to form a
 CC triple helix with a double stranded sequence. Cytosine bases in the
 CC present can be replaced with 5-methylcytosine for increased triplex
 CC stability. The present sequence is used in the assay of the invention,
 CC where it can be part of the anchor DNA or reporter DNA sequence. The
 CC assay comprises adding a sample containing double-stranded DNA test
 CC sequences to an aqueous medium containing at least one complex of anchor
 CC DNA, attached to a solid support, and reporter DNA, where either a part
 CC of the anchor DNA or reporter DNA is designed to form a triple-strand
 CC structure with part of the test sequence. Triplex formation results in
 CC displacement of the reporter DNA which is detected as an indication of
 CC the presence of the DNA test sequence. The method is used to detect DNA
 CC sequences, particularly for identification of bacteria (by detecting
 CC genes for ribosomal RNA) in clinical samples, but also detection of
 CC oncogenes and Hepatitis B virus
 XX
 SQ Sequence 14 BP; 0 A; 3 C; 0 G; 11 T; 0 U; 0 Other;

Query Match 12.6%; Score 9.2; DB 1; Length 14;
 Best Local Similarity 78.6%; Pred. No. 1.5e+03;
 Matches 11; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 908 TTTTCTTTGTCCT 921
 |||||
 DB 1 TTTTCTTTGTCCT 14

RESULT 2524
 AAD07946
 ID AAD07946 standard; DNA; 14 BP.
 XX
 AC AAD07946;
 XX
 DT 06-AUG-2001 (first entry)
 XX
 DE Human antisense oligonucleotide, OL-3.
 XX
 KW Human; antisense; amyloid precursor protein; APP; amyloid beta protein;
 KW Abeta2; Alzheimer's disease; cognitive ability; antisense therapy;
 KW neurotropic; neuroprotective; ss.
 XX
 OS Homo sapiens.
 OS
 PN W0200142266-A1.
 XX
 PD 14-JUN-2001.
 XX
 PF 08-DEC-2000; 2000WO-US033383.
 XX
 PR 09-DEC-1999; 99US-00458481.
 XX
 PA (UYSL-) UNIV SAINT LOUIS.
 XX
 PI Kumar VB;
 XX
 DR WPI; 2001-381626/40.
 XX
 PT Novel antisense compounds for modulating expression of amyloid beta
 PT protein in cells or tissues and for preventing, treating conditions
 PT associated with expression of amyloid beta protein, e.g. Alzheimer's
 PT disease.
 XX
 CC Claim 10; Page 6; 70pp; English.
 XX
 CC The present invention relates to an antisense compound comprising
 CC nucleotides complementary to a nucleic acid sequence coding for amyloid
 CC precursor protein (APP) and which inhibits the expression of amyloid beta
 CC protein (Abeta) portion of APP coding sequence while permitting the
 CC expression of at least a portion of APP polynucleotide 5' to the Abeta
 CC portion of APP coding sequence. This antisense compound is useful for
 CC modulating the expression of Abeta in cells or tissues, for preventing or
 CC treating a disease or condition associated with expression of Abeta, in
 CC particular Alzheimer's disease. The antisense compound is also useful for
 CC improving cognitive ability in a mammal having a disease or condition
 CC associated with the expression of Abeta. Antisense compounds are used in
 CC antisense therapy. The present sequence is human antisense
 CC oligonucleotide
 XX
 SQ Sequence 14 BP; 5 A; 6 C; 0 G; 3 T; 0 U; 0 Other;

Query Match 12.6%; Score 9.2; DB 1; Length 14;
 Best Local Similarity 78.6%; Pred. No. 1.5e+03;
 Matches 11; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 930 ATCCCTCTCTTCA 943
 |||||
 DB 1 AACCCACATCTTCA 14

RESULT 2525
 AAC83822/c
 ID AAC83822 standard; RNA; 14 BP.
 XX
 AC AAC83822;
 XX
 DT 28-FEB-2001 (first entry)
 XX
 DE RNA oligonucleotide #2 used in a binding assay.
 XX

KW L-ribo-configured Locked Nucleoside Analogue; L-ribo-LNA analogue; ss.
 XX Unidentified.
 OS
 PN WO200066604-A2.
 XX
 XX 09-NOV-2000.
 PD
 XX
 XX 04-MAY-2000; 2000WO-DK000225.
 PF
 XX
 XX 04-MAY-1999; 99DK-00000603.
 PR
 PR 01-SEP-1999; 99DK-00001225.
 PR
 PR 11-JAN-2000; 2000DK-00000032.
 XX
 PA (EXIQ-) EXIQON AS.
 XX
 XX Wengel J;
 PI
 XX
 XX WPI; 2001-060972/07.
 DR
 XX
 XX Oligomers comprising L-ribo-Locked Nucleic Acid (LNA) nucleosides, useful
 PT for therapeutic purposes e.g. in the construction of oligonucleotides, as
 PT substrates for nucleic acids polymerases and in RNA mediated catalytic
 PT processes.
 PT
 XX
 XX Example 11; Page 56; 79pp; English.
 PS
 XX
 XX The present invention relates to an oligomer comprising L-ribo-
 CC configured Locked Nucleoside Analogues (L-ribo-LNA analogues). The
 CC present sequence is an RNA oligonucleotide. Binding studies of the L-ribo
 CC -LNA analogues towards the present sequence were carried out, to
 CC determine the thermostability of the L-ribo-LNA analogues. The analogs of
 CC the present invention have a variety of uses e.g. in the preparation of
 CC conjugates of the L-ribo-LNA modified oligonucleotides (oligomers)
 CC
 XX Sequence 14 BP; 13 A; 1 C; 0 G; 0 T; 0 U; 0 Other;
 SQ Query Match 12.6%; Score 9.2; DB 1; Length 14;
 Best Local Similarity 78.6%; Pred. No. 1.5e+03;
 Matches 11; Conservative 0; Mismatches 3; Indels 0; Gaps 0;
 QY 909 TTTCTTTGGTCTTT 922
 DB 14 TTTTCTTTGGTCTTT 1

RESULT 2526
 AAL42800
 ID AAL42800 standard; DNA; 14 BP.
 XX
 AC AAL42800;
 XX
 DT 05-AUG-2002 (first entry)
 DE
 XX Novel DNA chip manufacturing method-related DNA sequence 9.
 XX Novel DNA chip; ss; manufacture; uni chip; reverse transcriptase;
 KW novel gene detection.
 XX Unidentified.
 OS
 PN KR2001095748-A.
 XX
 PD 07-NOV-2001.
 XX
 XX 11-APR-2000; 2000KR-00019072.
 PF
 XX 11-APR-2000; 2000KR-00019072.
 PR
 XX (SONG/) SONG K H.
 PA
 XX Park JS;
 PI
 XX

DR WPI; 2002-301918/34.
 XX
 PT Manufacturing of DNA chip using reverse transcriptase enzyme to detect
 PT novel genes comprises genetic recombinant techniques.
 XX
 PS Disclosure; Page 5; 6pp; Korean.
 XX
 CC The invention comprises a method of manufacturing a novel DNA chip (uni
 CC chip), using reverse transcriptase. The invention further comprises a
 CC method of detecting novel genes (using the novel DNA chip). The
 CC manufacturing method comprises the steps of: preparing various kinds of
 CC primers on a DNA chip by annealing an oligonucleotide primer having a
 CC specific sequence to a DNA chip having a poly T tail; complementarily
 CC annealing unsequenced mRNA to the primers; adding reverse transcriptase
 CC to synthesize cDNA on the DNA chip; and removing mRNA therefrom using
 CC RNase to obtain a cDNA library chip having only cDNA
 XX
 SQ Sequence 14 BP; 1 A; 2 C; 1 G; 10 T; 0 U; 0 Other;
 Query Match 12.6%; Score 9.2; DB 1; Length 14;
 Best Local Similarity 78.6%; Pred. No. 1.5e+03;
 Matches 11; Conservative 0; Mismatches 3; Indels 0; Gaps 0;
 QY 908 TTTTCTTTGGTCTTT 921
 DB 1 TTTTCTTTGGTCTTT 14

RESULT 2527
 AAL50500/c
 ID AAL50500 standard; RNA; 14 BP.
 XX
 AC AAL50500;
 XX
 DT 05-DEC-2002 (first entry)
 DE
 XX Ribozyme complex RNA strand #2.
 XX Ribozyme complex RNA strand; RNA structural properties; IP-RP-HPLC;
 KW ion pairing reverse phase high performance liquid chromatography; ss;
 KW intramolecular interaction; three-dimensional structure.
 XX Unidentified.
 OS
 XX
 XX Key Location/Qualifiers
 FT misc_binding 1..4
 FT /tag= a
 FT /bound_moiety= "Ribozyme complex strand #1"
 FT /note= "Binds to nucleotides 14-11 of the RNA sequence
 FT shown in (AAL50499)"
 FT 9..14
 FT /tag= b
 FT /bound_moiety= "Ribozyme complex strand #1"
 FT /note= "Binds to nucleotides 6-1 of the RNA sequence
 FT shown in (AAL50499)"
 XX
 XX US2002094539-A1.
 XX
 XX 18-JUL-2002.
 PD
 XX
 XX 25-JAN-2002; 2002US-00058267.
 PF
 XX 29-NOV-2000; 2000US-00727138.
 PR
 XX (HORN/) HORNEY D P.
 PA (DICK/) DICKMAN M.
 XX
 XX Hornby DP, Dickman M;
 PI
 XX WPI; 2002-690387/74.
 DR
 XX Analyzing RNA by partially hydrolyzing RNA, separating and detecting
 PT cleaved RNA by high performance liquid chromatography, and absence of
 PT

PT cleavage in region of RNA indicates that the region is inaccessible to
 PT solvent.

XX Example 2; Fig 2; 16pp; English.

XX The invention comprises a method for analysing the structural properties
 CC of an RNA molecule. The method of the invention involves contacting the
 CC RNA molecule with a cleavage reagent capable of partially hydrolysing the
 CC RNA. The cleaved RNA is then separated and detected by ion pairing
 CC reverse phase high performance liquid chromatography (IP-RP-HPIC) -
 CC absence of cleavage events in a region of the RNA indicates that the
 CC region is relatively inaccessible to solvent. The method of the invention
 CC is useful for analysing the structural properties of the RNA molecule,
 CC including region(s) that are relatively inaccessible to solvent owing to
 CC intramolecular interactions. The method is used to characterise the three
 CC -dimensional structure of an RNA molecule, and is used to characterise
 CC the interaction of an RNA (e.g. a ribozyme) with its substrate, where the
 CC intermolecular interaction is between the RNA molecule and an RNA binding
 CC protein. The present RNA sequence represents a ribozyme complex strand
 CC that was used in an example of the invention

XX Sequence 14 BP; 8 A; 1 C; 4 G; 0 T; 1 U; 0 Other;

Query Match 12.6%; Score 9.2; DB 1; Length 14;
 Best Local Similarity 78.6%; Pred. No. 1.5e+03;
 Matches 11; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

Qy 927 TTTATCCCTCCCT 940

Db 14 TTTATCTCTCGCT 1

RESULT 2528

AD64664

ID ADE64664 standard; DNA; 14 BP.

XX ADE64664;

XX 29-JAN-2004 (first entry)

XX Yak milk protein gene related oligo, 454-467.

XX yak milk; alpha-lactalbumin; beta-lactoglobulin; alpha S1-casein;

KW alpha S2-casein; beta-casein; kappa-casein; lactoferritin; ss.

XX Bos grunniens.

OS CN1357627-A.

XX 10-JUL-2002.

XX 08-DEC-2000; 2000CN-00134189.

XX 08-DEC-2000; 2000CN-00134189.

XX (LINN/) LI N.

XX Li N, Fan B, Wu C;

XX WPI; 2002-741796/81.

XX Seven kinds of yak milk protein gene sequence.

XX Disclosure; Page 8 (disclosure); 41pp; Chinese.

XX The present invention discloses seven kinds of full length and partial
 CC sequences of a yak milk protein gene. They include alpha-lactalbumin
 CC gene full length sequence, alpha-lactalbumin gene 5' lateral wing
 CC sequence, beta-lactoglobulin gene 5' lateral wing and 3' terminal
 CC sequence, alpha S1-casein gene 5' lateral wing and 3' terminal sequence,
 CC alpha S2-casein gene 5' lateral wing sequence, beta-casein gene 5'
 CC lateral wing and 3' terminal sequence, kappa-casein gene 5' lateral wing
 CC and 3' terminal sequence, and lactoferritin gene 5' lateral wing

CC sequence. This polynucleotide sequence represents an oligo relating to
 CC the yak milk protein genes of the invention.

SQ Sequence 14 BP; 1 A; 3 C; 1 G; 9 T; 0 U; 0 Other;

Query Match 12.6%; Score 9.2; DB 1; Length 14;

Best Local Similarity 78.6%; Pred. No. 1.5e+03;

Matches 11; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

Qy 937 CTCTTCATTCGTTT 950

Db 1 CACTTCTTTGTTT 14

RESULT 2529

ABA77714/C

ID ABA77714 standard; DNA; 17 BP.

XX ABA77714;

XX 24-JAN-2002 (first entry)

XX Retinoblastoma mutation correcting oligonucleotide SEQ ID NO: 560.

XX Human; Gene therapy; adenosine deaminase deficiency; p53; beta-globin;
 KW retinoblastoma; BRCA1; BRCA2; CFTR; cystic fibrosis; cancer; Factor V;
 KW cyclin-dependent kinase inhibitor 2A; CDKN2A; melanoma; APC; HBA1; HBA2;
 KW adenomatous polyposis of the colon; Factor VII; Factor IX; thrombosis;
 KW haemophilia; alpha thalassaemia; haemoglobin alpha locus 1; MLH1; APOE;
 KW mismatch repair; MSH2; MSH6; hyperlipidaemia; apolipoprotein E; LDLR;
 KW familial hypercholesterolaemia; UGT1; syndrome; APP; PSEN1; antisense;
 KW UDP-glucuronosyltransferase; amyloid precursor protein; presenilin-1;
 KW Alzheimer's disease; cytostatic; antitickling; antianaemic; haemostatic;
 KW antilipemic; ss.

XX Homo sapiens.

OS WO200173002-A2.

XX 04-OCT-2001.

XX 27-MAR-2001; 2001WO-US009761.

XX 27-MAR-2000; 2000US-0192176P.

XX 27-MAR-2000; 2000US-0192176P.

XX 01-JUN-2000; 2000US-0208538P.

XX 30-OCT-2000; 2000US-0244989P.

XX (UYDE) UNIV DELAWARE.

XX Kmiec EB, Gamper HB, Rice MC;

XX WPI; 2001-639230/73.

XX Oligonucleotide for targeted alterations of genetic sequences and for
 PT treating cystic fibrosis, comprises at least one mismatch and chemical
 PT modification.

XX Claim 7; Page 77; 294pp; English.

XX The present invention provides single-stranded oligonucleotides which can
 CC be used for the targeted alteration of genomic sequences, where the
 CC oligonucleotide has at least one mismatch compared with the genomic
 CC sequence to be altered. In particular, these sequences are directed at
 CC the following genes: adenosine deaminase, p53, beta-globin,
 CC retinoblastoma, BRCA1, BRCA2, CFTR, cyclin-dependent kinase inhibitor 2A
 CC (CDKN2A), APC, Factor V, Factor VII, Factor IX, haemoglobin alpha locus
 CC 1 (HBA1), haemoglobin alpha locus 2 (HBA2), MLH1, MSH2, MSH6,
 CC apolipoprotein E (APOE), LDL receptor (LDLR), UDP-glucuronosyltransferase
 CC (UGT1), amyloid precursor protein (APC), presenilin-1 (PSEN1) and
 CC presenilin-2 (PSEN2). These can be used in the gene therapy of diseases
 CC such as cancer, adenosine deaminase deficiency, cystic fibrosis,
 CC haemophilia, hypercholesterolaemia, thalassaemia, sickle cell anaemia,

CC Alzheimer's disease, melanoma, adenomatous polyposis of the colon and
 CC various syndromes. The present sequence is one of the gene correcting
 CC oligonucleotides of the invention

XX SQ Sequence 17 BP; 5 A; 4 C; 2 G; 6 T; 0 U; 0 Other;

Query Match 12.6%; Score 9.2; DB 1; Length 17;
 Best Local Similarity 78.6%; Pred. No. 1.6e+03;
 Matches 11; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

OY 953 TGTATCGCTACCAA 966
 |||||
 DB 14 TGTAGCGATACAAA 1

RESULT 2530

ABA77713
 ID ABA77713 standard; DNA; 17 BP.

XX AC ABA77713;

XX DT 24-JAN-2002 (first entry)

XX DE Retinoblastoma mutation correcting oligonucleotide SEQ ID NO: 559.

XX KW Human; gene therapy; adenosine deaminase deficiency; p53; beta-globin;
 KW retinoblastoma; BRCA1; BRCA2; CFTR; cystic fibrosis; cancer; Factor V;
 KW cyclin-dependent kinase inhibitor 2A; CDKN2A; melanoma; APC; HBA1; HBA2;
 KW adenomatous polyposis of the colon; Factor VII; Factor IX; thrombosis;
 KW haemophilia; alpha thalassaemia; haemoglobin alpha locus 1; MLH1; APOE;
 KW mismatch repair; MSH2; MSH6; hyperlipidaemia; apolipoprotein E; LDLR;
 KW familial hypercholesterolaemia; Ugr1; syndrome; APP; PSEN1; antisense;
 KW UDP-glucuronosyltransferase; amyloid precursor protein; presenilin-1;
 KW Alzheimer's disease; cytostatic; antickling; antianaemic; haemostatic;
 KW antilipemic; ss.

XX OS Homo sapiens.

XX PN WO200173002-A2.

XX PD 04-OCT-2001.

XX PF 27-MAR-2001; 2001WO-US009761.

XX PR 27-MAR-2000; 2000US-0192176P.

XX PR 27-MAR-2000; 2000US-0192179P.

XX PR 01-JUN-2000; 2000US-0208538P.

XX PR 30-OCT-2000; 2000US-0244989P.

XX PA (UYDS) UNIV DELAWARE.

XX PI Kmiec EB, Gamper HB, Rice MC;

XX DR WPI; 2001-639230/73.

XX PT Oligonucleotide for targeted alterations of genetic sequences and for
 XX treating cystic fibrosis, comprises at least one mismatch and chemical
 XX modification.

XX PS Claim 7; Page 77; 294pp; English.

XX CC The present invention provides single-stranded oligonucleotides which can
 CC be used for the targeted alteration of genomic sequences, where the
 CC oligonucleotide has at least one mismatch compared with the genomic
 CC sequence to be altered. In particular, these sequences are directed at
 CC the following genes: adenosine deaminase, p53, beta-globin,
 CC retinoblastoma, BRCA1, BRCA2, CFTR, cyclin-dependent kinase inhibitor 2A
 CC (CDKN2A), APC, Factor V, Factor VII, Factor IX, haemoglobin alpha locus
 CC 1 (HBA1), haemoglobin alpha locus 2 (HBA2), MLH1, MSH2, MSH6,
 CC apolipoprotein E (APOE), LDL receptor (LDLR), UDP-glucuronosyltransferase
 CC (UGT1), amyloid precursor protein (APC), presenilin-1 (PSEN1) and
 CC presenilin-2 (PSEN2). These can be used in the gene therapy of diseases
 CC such as cancer, adenosine deaminase deficiency, cystic fibrosis,

CC haemophilia, hypercholesterolaemia, thalassaemia, sickle cell anaemia,
 CC Alzheimer's disease, melanoma, adenomatous polyposis of the colon and
 CC various syndromes. The present sequence is one of the gene correcting
 CC oligonucleotides of the invention

XX SQ Sequence 17 BP; 6 A; 2 C; 4 G; 5 T; 0 U; 0 Other;

Query Match 12.6%; Score 9.2; DB 1; Length 17;
 Best Local Similarity 78.6%; Pred. No. 1.6e+03;
 Matches 11; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

OY 953 TGTATCGCTACCAA 966
 |||||
 DB 4 TGTAGCGATACAAA 17

RESULT 2531

AAQ96587/C
 ID AAQ96587 standard; DNA; 10 BP.

XX AC AAQ96587;

XX DT 16-OCT-2003 (revised)

XX DT 20-MAR-1996 (first entry)

XX DE HIV-1 NL4-3 nef gene nucleotide deletion 182.

XX KW HIV-1; AIDS; attenuation; vaccine; nef gene; avirulence; ss.

XX OS Human immunodeficiency virus 1.

XX PN W09521912-A1.

XX PD 17-AUG-1995.

XX PF 14-FEB-1995; 95WO-AU000063.

XX PR 14-FEB-1994; 94AU-00003864.

XX PR 21-FEB-1994; 94AU-00004002.

XX PR 23-DEC-1994; 94AU-00000284.

XX PA (MACF-) MACFARLANE BURNET CENT MEDICAL.

XX PA (AURE-) AUSTRALIAN RED CROSS SOC.

XX PI Deacon NU, Learmont JC, McPhee DA, Crowe S, Cooper D;

XX DR WPI; 1995-293115/38.

XX PT New non-pathogenic HIV-1 strain carrying a deletion in its nef gene or
 XX LTR region - can be used in a vaccine to inhibit/reduce productive
 XX infection in an individual by a pathogenic strain.

XX PS Claim 13; Page 190; 301pp; English.

XX CC Attenuation of pathogenic HIV-1 strain NL4-3 involves deletion of 1 or
 CC more decanucleotides (AAQ96406-Q97018) from the nef gene and/or 1 or more
 CC decanucleotides (AAQ97019-Q97166) from the LTR region; the sequence of
 CC AAQ96406 corresponds to nucleotides 1-10 of the nef gene (AAQ96141). The
 CC resulting avirulent HIV strains are still capable of inducing an immune
 CC response in humans, and enable the generation of therapeutic, diagnostic
 CC and targeting agents against HIV-1 infection. (Updated on 16-OCT-2003 to
 CC standardise OS field)

XX SQ Sequence 10 BP; 5 A; 0 C; 5 G; 0 T; 0 U; 0 Other;

Query Match 12.3%; Score 9; DB 1; Length 10;
 Best Local Similarity 100.0%; Pred. No. 1.3e+03;
 Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY 933 CCTCCTCTT 941
 |||||
 DB 9 CCTCCTCTT 1

```

RESULT 2532
AAQ96586/c
ID AAQ96586 standard; DNA; 10 BP.
XX
AC AAQ96586;
XX
DT 16-OCT-2003 (revised)
DT 20-MAR-1996 (first entry)
XX
DE HIV-1 NL4-3 nef gene nucleotide deletion 181.
XX
KW HIV-1; AIDS; attenuation; vaccine; nef gene; avirulence; ss.
XX
OS Human immunodeficiency virus 1.
XX
PN WO9521912-A1.
XX
PD 17-AUG-1995.
XX
PF 14-FEB-1995; 95WO-AU000063.
XX
PR 14-FEB-1994; 94AU-00003864.
PR 21-FEB-1994; 94AU-00004002.
PR 23-DEC-1994; 94AU-00000284.
XX
PA (MACF-) MACFARLANE BURNET CENT MEDICAL.
PA (AURE-) AUSTRALIAN RED CROSS SOC.
XX
PI Deacon NJ, Learmont JC, Mcphee DA, Crowe S, Cooper D;
XX
DR WPI; 1995-293115/38.
XX
PT New non-pathogenic HIV-1 strain carrying a deletion in its nef gene or
PT LTR region - can be used in a vaccine to inhibit/reduce productive
PT infection in an individual by a pathogenic strain.
XX
PS Claim 13; Page 190; 301pp; English.
XX
CC Attenuation of pathogenic HIV-1 strain NL4-3 involves deletion of 1 or
CC more dezanucleotides (AAQ96406-Q97018) from the nef gene and/or 1 or more
CC dezanucleotides (AAQ97019-Q97166) from the LTR region; the sequence of
CC AAQ96406 corresponds to nucleotides 1-10 of the nef gene (AAQ96141). The
CC resulting avirulent HIV strains are still capable of inducing an immune
CC response in humans, and enable the generation of therapeutic, diagnostic
CC and targeting agents against HIV-1 infection. (Updated on 16-OCT-2003 to
CC standardise OS field)
XX
SQ Sequence 10 BP; 4 A; 1 C; 5 G; 0 T; 0 U; 0 Other;

Query Match 12.3%; Score 9; DB 1; Length 10;
Best Local Similarity 100.0%; Pred. No. 1.3e+03;
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 933 CCTCCTCTT 941
Db 10 CCTCCTCTT 2

RESULT 2533
AAQ08716/c
ID AAQ08716 standard; DNA; 10 BP.
XX
AC AAQ08716;
XX
DT 27-SEP-1999 (first entry)
XX
DE Potential NF-AT consensus binding site.
XX
KW NF-AT3; hypertrophy; cardiomyocytes; cardiac hypertrophic response;
KW heart failure; transgenic animals; screening; treatment; inhibition; ss.
XX
OS Rattus rattus.

RESULT 2534
AAZ78093/c
ID AAZ78093 standard; DNA; 10 BP.
XX
AC AAZ78093;
XX
DT 10-APR-2000 (first entry)
XX
DE Human dendritic cell SAGE tag, SEQ ID NO:521.
XX
KW SAGE tag; serial analysis of gene expression; antigen-presenting cell;
KW APC; monocyte-derived dendritic cell; differential gene expression;
KW immunostimulatory cofactor; costimulatory factor; CTL;
KW cytotoxic T-lymphocyte; tumour antigen; immunotherapy; anticancer; ss.
XX
OS Homo sapiens.
XX
PN WO9965924-A2.
XX
PD 23-DEC-1999.
XX
PF 18-JUN-1999; 99WO-US013800.
XX
PR 19-JUN-1998; 98US-0089833P.
PR 19-JUN-1998; 98US-0089844P.
PR 19-JUN-1998; 98US-0089853P.

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XX WO9919471-A1.
XX
PD 22-APR-1999.
XX
PF 15-OCT-1998; 98WO-US021845.
XX
PR 16-OCT-1997; 97US-0062864P.
PR 10-NOV-1997; 97US-0065178P.
PR 15-APR-1998; 98US-0081853P.
PR 16-APR-1998; 98US-00061417.
XX
PA (TEXA ) UNIV TEXAS SYSTEM.
PA (UYNT-) UNIV NORTH TEXAS HEALTH SCI CENT.
XX
PI Olson EN, Grant SR, Molkentin JD;
XX
DR WPI; 1999-277635/23.
XX
PT Treating hypertrophy in cardiomyocytes by inhibiting NF-A3.
XX
PS Example 4; Page 67; 105pp; English.
XX
CC Hypertrophy in cardiomyocytes is treated by inhibiting function of NF-
CC AT3. Activation of NF-AT3 mediates the calcium ion-dependent cardiac
CC hypertrophic response to a variety of stimuli, so inhibiting it can be
CC used to treat or prevent cardiac hypertrophy and related heart failure.
CC Transgenic animals, or cells, containing a constitutively active NF-AT3
CC gene can be used as models for screening modulators of hypertrophy and
CC for studying human disease. NF-AT3 interacts with GATA4 to have a
CC functional role in cardiac gene expression. The BNP cardiac promoter is
CC upregulated during cardiac hypertrophy and shows a dramatic response to
CC the GATA4-NF-AT3 interaction. Three potential NF-AT3 consensus binding
CC sites were identified in the BNP promoter (SEE AAX08714-16). This
CC sequence was identified at -27 in the promoter sequence
XX
SQ Sequence 10 BP; 6 A; 0 C; 3 G; 1 T; 0 U; 0 Other;

Query Match 12.3%; Score 9; DB 1; Length 10;
Best Local Similarity 100.0%; Pred. No. 1.3e+03;
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 925 CTTTATCC 933
Db 10 CTTTATCC 2

RESULT 2534
AAZ78093/c
ID AAZ78093 standard; DNA; 10 BP.
XX
AC AAZ78093;
XX
DT 10-APR-2000 (first entry)
XX
DE Human dendritic cell SAGE tag, SEQ ID NO:521.
XX
KW SAGE tag; serial analysis of gene expression; antigen-presenting cell;
KW APC; monocyte-derived dendritic cell; differential gene expression;
KW immunostimulatory cofactor; costimulatory factor; CTL;
KW cytotoxic T-lymphocyte; tumour antigen; immunotherapy; anticancer; ss.
XX
OS Homo sapiens.
XX
PN WO9965924-A2.
XX
PD 23-DEC-1999.
XX
PF 18-JUN-1999; 99WO-US013800.
XX
PR 19-JUN-1998; 98US-0089833P.
PR 19-JUN-1998; 98US-0089844P.
PR 19-JUN-1998; 98US-0089853P.

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PR	19-JUN-1998;	98US-0089878P.	SQ	Sequence 10 BP; 7 A; 1 C; 2 G; 0 T; 0 U; 0 Other;
PR	19-JUN-1998;	98US-0089991P.	Query Match	12.3%; Score 9; DB 1; Length 10;
PR	19-JUN-1998;	98US-0089992P.	Best Local Similarity	100.0%; Pred. No. 1.3e+03;
PR	19-JUN-1998;	98US-0089993P.	Matches 9; Conservative	0; Mismatches 0; Indels 0; Gaps 0;
PR	19-JUN-1998;	98US-0089994P.		
PR	19-JUN-1998;	98US-0089997P.		
PR	19-JUN-1998;	98US-0089999P.		
PR	19-JUN-1998;	98US-0090000P.		
PR	19-JUN-1998;	98US-0090003P.		
PR	19-JUN-1998;	98US-0090036P.		
PR	19-JUN-1998;	98US-0090039P.		
PR	19-JUN-1998;	98US-0090040P.		
PR	19-JUN-1998;	98US-0090041P.		
PR	19-JUN-1998;	98US-0090042P.		
PR	19-JUN-1998;	98US-0090043P.		
PR	19-JUN-1998;	98US-0090044P.		
PR	19-JUN-1998;	98US-0090045P.		
PR	19-JUN-1998;	98US-0090047P.		
PR	19-JUN-1998;	98US-0090048P.		
PR	19-JUN-1998;	98US-0090076P.		
PR	19-JUN-1998;	98US-0090077P.		
PR	19-JUN-1998;	98US-0090078P.		
PR	19-JUN-1998;	98US-0090079P.		
PR	19-JUN-1998;	98US-0090080P.		
PR	08-DEC-1998;	98US-0111715P.		
XX				
PA	(GENZ) GENZYME CORP.			
PA	(ROBE/) ROBERTS B L.			
PA	(SHAN/) SHANKARA S.			
XX				
PI	Roberts BL, Shankara S;			
DR	WPI; 2000-106077/09.			
XX				
XX				
PT	Isolated polynucleotides differentially expressed in antigen-presenting cells, useful in gene vaccines against cancer.			
XX				
PS	Claim 1; Page 80; 130pp; English.			
XX				
CC	Sequences AAZ77573-279709 represent SAGE (serial analysis of gene expression) tags used to identify mRNA transcripts encoding immunostimulatory cofactor proteins which are preferentially or differentially expressed in monocyte-derived dendritic cells compared with monocytes. Some of the transcripts correspond to known genes or ESTs (expressed sequence tags) which were previously unknown to be preferentially or differentially expressed in dendritic cells, while other transcripts correspond to novel genes. Antigen-presenting cell (APC)-associated costimulatory factors play an important role in the activation of the cytotoxic immune response, particularly against tumour cells. Tumour antigen presentation via the MHC (major histocompatibility complex) and subsequent recognition by T-cell receptors is alone insufficient to activate a robust cytotoxic immune response that can lyse the tumour cells, immunostimulatory cofactors also being required for efficient activation of cytotoxic T-lymphocytes (CTLs). Nucleic acid sequences identified using the SAGE tags have several potential uses. They may be used in vaccines to induce an immune response, particularly against a tumour antigen, to modulate the genotype of an APC, to screen for agents that modulate expression of differentially expressed genes in an APC; and as hybridisation probes/amplification primers for the diagnosis, prognosis and monitoring of diseases related to abnormal expression of these genes. Detection of the dendritic cell differentially expressed genes, or of their encoded proteins, can be used to identify cells as belonging to the monocyte lineage. Cells containing these genes can be used in active immunotherapy (or to stimulate production of a population of antigen-specific effector cells) and vectors containing them are used in gene therapy. Co-administration of tumour antigens and APC-associated costimulatory factors ensures adequate antigen presentation to endogenous APCs and upregulates the APCs for the presentation of co-stimulatory signals, migration to T cell-rich sites, recruitment of T cell growth factors and secretion of chemokines for recruitment of immune effector cells			
XX				


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PT cells, useful in gene vaccines against cancer.
XX Claim 1; Page 103; 130pp; English.
XX
CC Sequences AA277573-279709 represent SAGE (serial analysis of gene
CC expression) tags used to identify mRNA transcripts encoding
CC immunostimulatory cofactor proteins which are preferentially or
CC differentially expressed in monocyte-derived dendritic cells compared
CC with monocytes. Some of the transcripts correspond to known genes or ESTs
CC (expressed sequence tags) which were previously unknown to be
CC preferentially or differentially expressed in dendritic cells, while
CC other transcripts correspond to novel genes. Antigen-presenting cell
CC (APC)-associated costimulatory factors play an important role in the
CC activation of the cytotoxic immune response, particularly against tumour
CC cells. Tumour antigen presentation via the MHC (major histocompatibility
CC complex) and subsequent recognition by T-cell receptors is alone
CC insufficient to activate a robust cytotoxic immune response that can lyse
CC the tumour cells. Immunostimulatory cofactors also being required for
CC efficient activation of cytotoxic T-lymphocytes (CTLs). Nucleic acid
CC sequences identified using the SAGE tags have several potential uses.
CC They may be used in vaccines to induce an immune response, particularly
CC against a tumour antigen; to modulate the genotype of an APC; to screen
CC for agents that modulate expression of differentially expressed genes in
CC an APC; and as hybridisation probes/amplification primers for the
CC diagnosis, prognosis and monitoring of diseases related to abnormal
CC expression of these genes. Detection of the dendritic cell differentially
CC expressed genes, or of their encoded proteins, can be used to identify
CC cells as belonging to the monocyte lineage. Cells containing these genes
CC can be used in active immunotherapy (or to stimulate production of a
CC population of antigen-specific effector cells) and vectors containing
CC them are used in gene therapy. Co-administration of tumour antigens and
CC APC-associated costimulatory factors ensures adequate antigen
CC presentation to endogenous APCs and upregulates the APCs for the
CC presentation of co-stimulatory signals, migration to T cell-rich sites,
CC secretion of T cell growth factors and secretion of chemokines for
CC recruitment of immune effector cells
XX
SQ Sequence 10 BP; 5 A; 2 C; 2 G; 1 T; 0 U; 0 Other;

Query Match 12.3%; Score 9; DB 1; Length 10;
Best Local Similarity 100.0%; Pred. No. 1.3e+03;
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 912 CTTTGGTCT 920
Db | | | | | | | | | |
9 CTTTGGTCT 1

RESULT 2536
AAZ79067
ID AA279067 standard; DNA; 10 BP.
XX
AC AAZ79067;
XX
DT 10-APR-2000 (first entry)
XX
DE Human dendritic cell SAGE tag, SEQ ID NO:1495.
XX
KW SAGE tag; serial analysis of gene expression; antigen-presenting cell;
KW APC; monocyte-derived dendritic cell; differential gene expression;
KW immunostimulatory cofactor; costimulatory factor; CTL;
KW cytotoxic T-lymphocyte; tumour antigen; immunotherapy; anticancer; ss.
XX
OS Homo sapiens.
XX
PN WO9965924-A2.
XX
PD 23-DEC-1999.
XX
PF 18-JUN-1999; 99WO-US013800.
XX
PR 19-JUN-1998; 98US-0089833P.
PR 19-JUN-1998; 98US-0089844P.

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PR 19-JUN-1998; 98US-0089853P.
PR 19-JUN-1998; 98US-0089878P.
PR 19-JUN-1998; 98US-0089911P.
PR 19-JUN-1998; 98US-0089922P.
PR 19-JUN-1998; 98US-0089933P.
PR 19-JUN-1998; 98US-0089944P.
PR 19-JUN-1998; 98US-0089977P.
PR 19-JUN-1998; 98US-0089999P.
PR 19-JUN-1998; 98US-0090000P.
PR 19-JUN-1998; 98US-0090035P.
PR 19-JUN-1998; 98US-0090036P.
PR 19-JUN-1998; 98US-0090039P.
PR 19-JUN-1998; 98US-0090040P.
PR 19-JUN-1998; 98US-0090041P.
PR 19-JUN-1998; 98US-0090042P.
PR 19-JUN-1998; 98US-0090043P.
PR 19-JUN-1998; 98US-0090044P.
PR 19-JUN-1998; 98US-0090045P.
PR 19-JUN-1998; 98US-0090047P.
PR 19-JUN-1998; 98US-0090048P.
PR 19-JUN-1998; 98US-0090072P.
PR 19-JUN-1998; 98US-0090076P.
PR 19-JUN-1998; 98US-0090077P.
PR 19-JUN-1998; 98US-0090078P.
PR 19-JUN-1998; 98US-0090079P.
PR 19-JUN-1998; 98US-0090080P.
PR 08-DEC-1998; 98US-0111715P.

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(GENZ) GENZYME CORP.

PA (ROBE/) ROBERTS B L.

PA (SHAN/) SHANKARA S.

PI Roberts BL, Shankara S;

XX WPI; 2000-106077/09.

XX Isolated polynucleotides differentially expressed in antigen-presenting

XX cells, useful in gene vaccines against cancer.

XX Claim 1; Page 107; 130pp; English.

Sequences AA277573-279709 represent SAGE (serial analysis of gene expression) tags used to identify mRNA transcripts encoding immunostimulatory cofactor proteins which are preferentially or differentially expressed in monocyte-derived dendritic cells compared with monocytes. Some of the transcripts correspond to known genes or ESTs (expressed sequence tags) which were previously unknown to be preferentially or differentially expressed in dendritic cells, while other transcripts correspond to novel genes. Antigen-presenting cell (APC)-associated costimulatory factors play an important role in the activation of the cytotoxic immune response, particularly against tumour cells. Tumour antigen presentation via the MHC (major histocompatibility complex) and subsequent recognition by T-cell receptors is alone insufficient to activate a robust cytotoxic immune response that can lyse the tumour cells. Immunostimulatory cofactors also being required for efficient activation of cytotoxic T-lymphocytes (CTLs). Nucleic acid sequences identified using the SAGE tags have several potential uses. They may be used in vaccines to induce an immune response, particularly against a tumour antigen; to modulate the genotype of an APC; to screen for agents that modulate expression of differentially expressed genes in an APC; and as hybridisation probes/amplification primers for the diagnosis, prognosis and monitoring of diseases related to abnormal expression of these genes. Detection of the dendritic cell differentially expressed genes, or of their encoded proteins, can be used to identify cells as belonging to the monocyte lineage. Cells containing these genes can be used in active immunotherapy (or to stimulate production of a population of antigen-specific effector cells) and vectors containing them are used in gene therapy. Co-administration of tumour antigens and APC-associated costimulatory factors ensures adequate antigen presentation to endogenous APCs and upregulates the APCs for the presentation of co-stimulatory signals, migration to T cell-rich sites, secretion of T cell growth factors and secretion of chemokines for recruitment of immune effector cells

XX SQ Sequence 10 BP; 1 A; 6 C; 0 G; 3 T; 0 U; 0 Other;
Query Match 12.3%; Score 9; DB 1; Length 10;
Best Local Similarity 100.0%; Pred. No. 1.3e+03;
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 932 CCTCTCTCT 940
DB 2 CCTCTCTCT 10
RESULT 2537
AAZ81571/C
ID AAZ81571 standard; DNA; 10 BP.
XX AC AAZ81571;
XX DT 07-APR-2000 (first entry)
XX DE Metastatic breast tumour cell upregulated transcript tag #805.
XX KW Human; metastatic breast tumour tissue; breast cancer; tag; primer;
KW non-metastatic breast tumour tissue; gene therapy; anticancer;
KW antimetastatic; vaccine; diagnosis; ss.
XX OS Homo sapiens.
XX PN WO9965928-A2.
XX PD 23-DEC-1999.
XX PF 18-JUN-1999; 99WO-US013647.
XX PR 19-JUN-1998; 98US-0089853P.
XX PR 19-JUN-1998; 98US-0089997P.
XX PR 19-JUN-1998; 98US-0090039P.
XX PR 19-JUN-1998; 98US-0090040P.
XX PR 19-JUN-1998; 98US-0090041P.
XX (GENZ) GENZYME CORP.
PA (ROBE/) ROBERTS B L.
PA (SHAN/) SHANKARA S.
XX PI Roberts BL, Shankara S;
XX WPI; 2000-106079/09.
XX Isolated polynucleotides differentially expressed between metastatic and
PT non-metastatic breast cancer cells, useful for diagnosis, prevention and
PT treatment of cancer.
XX Claim 1; Page 79; 219pp; English.
XX AAZ80767 to AAZ83941 represent tags corresponding to distinct transcripts
CC that are preferentially transcribed in the metastatic breast tumour
CC tissue (i.e. are upregulated in metastatic breast tumour cells). AAZ83942
CC to AAZ86677 represent tags corresponding to distinct transcripts that are
CC preferentially transcribed in the primary or non-metastatic breast tumour
CC tissue (i.e. are downregulated in metastatic breast tumour cells). These
CC transcripts can be used for diagnosis, prognosis, monitoring and
CC treatment of breast cancer, particularly where metastatic. Diagnosis is
CC by standard immunoassays or hybridisation/amplification reactions.
CC Compounds that modulate expression of the transcripts are potentially
CC useful for treatment of (metastatic) breast cancer, while promoters from
CC the transcripts are used to direct expression, in selected cell types, of
CC e.g. therapeutic genes (also ribozymes or antisense sequences),
CC particularly an antigen-encoding sequence for use in gene or cell-based
CC vaccines. Polypeptides encoded by the transcripts are also useful in
CC vaccines; for diagnosing breast cancer and for raising specific
CC antibodies (Ab). Ab are used to detect the polypeptides or as therapeutic
CC agents. Host cells that produce the polypeptides can be used to expand
CC and isolate populations of educated, antigen-specific immune effector

CC cells, e.g. cytotoxic T lymphocytes, and these used for adoptive
CC immunotherapy
XX SQ Sequence 10 BP; 5 A; 2 C; 1 G; 1 T; 0 U; 0 Other;
Query Match 12.3%; Score 9; DB 1; Length 10;
Best Local Similarity 100.0%; Pred. No. 1.3e+03;
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 912 CTTTGCTCT 920
DB 9 CTTTGCTCT 1
RESULT 2538
AAZ81926
ID AAZ81926 standard; DNA; 10 BP.
XX AC AAZ81926;
XX DT 07-APR-2000 (first entry)
XX DE Metastatic breast tumour cell upregulated transcript tag #1160.
XX KW Human; metastatic breast tumour tissue; breast cancer; tag; primer;
KW non-metastatic breast tumour tissue; gene therapy; anticancer;
KW antimetastatic; vaccine; diagnosis; ss.
XX OS Homo sapiens.
XX PN WO9965928-A2.
XX PD 23-DEC-1999.
XX PF 18-JUN-1999; 99WO-US013647.
XX PR 19-JUN-1998; 98US-0089853P.
XX PR 19-JUN-1998; 98US-0089997P.
XX PR 19-JUN-1998; 98US-0090039P.
XX PR 19-JUN-1998; 98US-0090040P.
XX PR 19-JUN-1998; 98US-0090041P.
XX (GENZ) GENZYME CORP.
PA (ROBE/) ROBERTS B L.
PA (SHAN/) SHANKARA S.
XX PI Roberts BL, Shankara S;
XX WPI; 2000-106079/09.
XX Isolated polynucleotides differentially expressed between metastatic and
PT non-metastatic breast cancer cells, useful for diagnosis, prevention and
PT treatment of cancer.
XX Claim 1; Page 89; 219pp; English.
XX AAZ80767 to AAZ83941 represent tags corresponding to distinct transcripts
CC that are preferentially transcribed in the metastatic breast tumour
CC tissue (i.e. are upregulated in metastatic breast tumour cells). AAZ83942
CC to AAZ86677 represent tags corresponding to distinct transcripts that are
CC preferentially transcribed in the primary or non-metastatic breast tumour
CC tissue (i.e. are downregulated in metastatic breast tumour cells). These
CC transcripts can be used for diagnosis, prognosis, monitoring and
CC treatment of breast cancer, particularly where metastatic. Diagnosis is
CC by standard immunoassays or hybridisation/amplification reactions.
CC Compounds that modulate expression of the transcripts are potentially
CC useful for treatment of (metastatic) breast cancer, while promoters from
CC the transcripts are used to direct expression, in selected cell types, of
CC e.g. therapeutic genes (also ribozymes or antisense sequences),
CC particularly an antigen-encoding sequence for use in gene or cell-based
CC vaccines. Polypeptides encoded by the transcripts are also useful in
CC vaccines; for diagnosing breast cancer and for raising specific
CC antibodies (Ab). Ab are used to detect the polypeptides or as therapeutic
CC agents. Host cells that produce the polypeptides can be used to expand
CC and isolate populations of educated, antigen-specific immune effector

CC agents. Host cells that produce the polypeptides can be used to expand
CC and isolate populations of educated, antigen-specific immune effector
CC cells, e.g. cytotoxic T lymphocytes, and these used for adoptive
CC immunotherapy
XX
SQ Sequence 10 BP; 0 A; 2 C; 1 G; 7 T; 0 U; 0 Other;
Query Match 12.3%; Score 9; DB 1; Length 10;
Best Local Similarity 100.0%; Pred. No. 1.3e+03;
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 921 TTGCTTTT 929
| | | | |
Db 1 TTGCTTTT 9
| | | | |
RESULT 2539
AAZ84493
ID AAZ84493 standard; DNA; 10 BP.
XX
AC AAZ84493;
XX
DT 07-APR-2000 (first entry)
XX
DE Metastatic breast tumour cell downregulated transcript tag #3727.
XX
DE Human; metastatic breast tumour tissue; breast cancer; tag; primer;
KW non-metastatic breast tumour tissue; gene therapy; anticancer;
KW antimetastatic; vaccine; diagnosis; ss.
XX
OS Homo sapiens.
XX
PN WO9965928-A2.
XX
PD 23-DEC-1999.
XX
PF 18-JUN-1999; 99WO-US013647.
XX
PR 19-JUN-1998; 98US-0089853P.
PR 19-JUN-1998; 98US-0089997P.
PR 19-JUN-1998; 98US-0090039P.
PR 19-JUN-1998; 98US-0090040P.
PR 19-JUN-1998; 98US-0090041P.
XX
PA (GENZ) GENZYME CORP.
PA (ROBE/) ROBERTS B L.
PA (SHAN/) SHANKARA S.
XX
PI Roberts BL, Shankara S;
XX
WPI; 2000-106079/09.
XX
PT Isolated polynucleotides differentially expressed between metastatic and
PT non-metastatic breast cancer cells, useful for diagnosis, prevention and
PT treatment of cancer.
XX
PS Claim 1; Page 158; 219pp; English.
XX
CC AAZ80767 to AAZ83941 represent tags corresponding to distinct transcripts
CC that are preferentially transcribed in the metastatic breast tumour
CC tissue (i.e. are upregulated in metastatic breast tumour cells). AAZ83942
CC to AAZ86677 represent tags corresponding to distinct transcripts that are
CC preferentially transcribed in the primary or non-metastatic breast tumour
CC tissue (i.e. are downregulated in metastatic breast tumour cells). These
CC transcripts can be used for diagnosis, prognosis, monitoring and
CC treatment of breast cancer, particularly where metastatic. Diagnosis is
CC by standard immunoassays or hybridisation/amplification reactions.
CC Compounds that modulate expression of the transcripts are potentially
CC useful for treatment of (metastatic) breast cancer, while promoters from
CC the transcripts are used to direct expression, in selected cell types, of
CC e.g. therapeutic genes (also ribozymes or antisense sequences),
CC particularly an antigen-encoding sequence for use in gene or cell-based
CC vaccines. Polypeptides encoded by the transcripts are also useful in

CC vaccines; for diagnosing breast cancer and for raising specific
CC antibodies (Ab). Ab are used to detect the polypeptides or as therapeutic
CC agents. Host cells that produce the polypeptides can be used to expand
CC and isolate populations of educated, antigen-specific immune effector
CC cells, e.g. cytotoxic T lymphocytes, and these used for adoptive
CC immunotherapy
XX
SQ Sequence 10 BP; 1 A; 1 C; 0 G; 8 T; 0 U; 0 Other;
Query Match 12.3%; Score 9; DB 1; Length 10;
Best Local Similarity 100.0%; Pred. No. 1.3e+03;
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 907 ATTTCTTT 915
| | | | |
Db 2 ATTTCTTT 10
| | | | |
RESULT 2540
AAZ85842
ID AAZ85842 standard; DNA; 10 BP.
XX
AC AAZ85842;
XX
DT 07-APR-2000 (first entry)
XX
DE Metastatic breast tumour cell downregulated transcript tag #5076.
XX
DE Human; metastatic breast tumour tissue; breast cancer; tag; primer;
KW non-metastatic breast tumour tissue; gene therapy; anticancer;
KW antimetastatic; vaccine; diagnosis; ss.
XX
OS Homo sapiens.
XX
PN WO9965928-A2.
XX
PD 23-DEC-1999.
XX
PF 18-JUN-1999; 99WO-US013647.
XX
PR 19-JUN-1998; 98US-0089853P.
PR 19-JUN-1998; 98US-0089997P.
PR 19-JUN-1998; 98US-0090039P.
PR 19-JUN-1998; 98US-0090040P.
PR 19-JUN-1998; 98US-0090041P.
XX
PA (GENZ) GENZYME CORP.
PA (ROBE/) ROBERTS B L.
PA (SHAN/) SHANKARA S.
XX
PI Roberts BL, Shankara S;
XX
WPI; 2000-106079/09.
XX
PT Isolated polynucleotides differentially expressed between metastatic and
PT non-metastatic breast cancer cells, useful for diagnosis, prevention and
PT treatment of cancer.
XX
PS Claim 1; Page 193; 219pp; English.
XX
CC AAZ80767 to AAZ83941 represent tags corresponding to distinct transcripts
CC that are preferentially transcribed in the metastatic breast tumour
CC tissue (i.e. are upregulated in metastatic breast tumour cells). AAZ83942
CC to AAZ86677 represent tags corresponding to distinct transcripts that are
CC preferentially transcribed in the primary or non-metastatic breast tumour
CC tissue (i.e. are downregulated in metastatic breast tumour cells). These
CC transcripts can be used for diagnosis, prognosis, monitoring and
CC treatment of breast cancer, particularly where metastatic. Diagnosis is
CC by standard immunoassays or hybridisation/amplification reactions.
CC Compounds that modulate expression of the transcripts are potentially
CC useful for treatment of (metastatic) breast cancer, while promoters from
CC the transcripts are used to direct expression, in selected cell types, of
CC e.g. therapeutic genes (also ribozymes or antisense sequences),
CC particularly an antigen-encoding sequence for use in gene or cell-based
CC vaccines. Polypeptides encoded by the transcripts are also useful in

CC particularly an antigen-encoding sequence for use in gene or cell-based
 CC vaccines. Polypeptides encoded by the transcripts are also useful in
 CC vaccines; for diagnosing breast cancer and for raising specific
 CC antibodies (Ab). Ab are used to detect the polypeptides or as therapeutic
 CC agents. Host cells that produce the polypeptides can be used to expand
 CC and isolate populations of educated, antigen-specific immune effector
 CC cells, e.g. cytotoxic T lymphocytes, and these used for adoptive
 CC immunotherapy
 XX
 SQ Sequence 10 BP; 1 A; 3 C; 0 G; 6 T; 0 U; 0 Other;

Query Match 12.3%; Score 9; DB 1; Length 10;
 Best Local Similarity 100.0%; Pred. No. 1.3e+03;
 Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 927 TTTATCCCT 935
 |||||
 Db 1 TTTATCCCT 9

RESULT 2541
 AAZ80779
 ID AAZ80779 standard; DNA; 10 BP.

AC AAZ80779;

DT 07-APR-2000 (first entry)

DE Metastatic breast tumour cell upregulated transcript tag #13.

XX Human; metastatic breast tumour tissue; breast cancer; tag; primer;
 KW non-metastatic breast tumour tissue; gene therapy; anticancer;
 KW antimetastatic; vaccine; diagnosis; ss.

OS Homo sapiens.

XX WO9965928-A2.

PN 23-DEC-1999.

PD 18-JUN-1999; 99WO-US013647.

PF 19-JUN-1998; 98US-0089853P.

PR 19-JUN-1998; 98US-0089997P.

PR 19-JUN-1998; 98US-0090039P.

PR 19-JUN-1998; 98US-0090040P.

PR 19-JUN-1998; 98US-0090041P.

XX (GENZ) GENZYME CORP.

PA (ROBE/) ROBERTS B L.

PA (SHAN/) SHANKARA S.

PI Roberts BL, Shankara S;

XX WPI; 2000-106079/09.

DR Isolated polynucleotides differentially expressed between metastatic and

XX non-metastatic breast cancer cells, useful for diagnosis, prevention and

PT treatment of cancer.

XX Claim 1; Page 58; 219pp; English.

PS AAZ80767 to AAZ83941 represent tags corresponding to distinct transcripts

XX that are preferentially transcribed in the metastatic breast tumour

CC tissue (i.e. are upregulated in metastatic breast tumour cells). AAZ83942

CC to AAZ86677 represent tags corresponding to distinct transcripts that are

CC the transcripts are used to direct expression, in selected cell types, of
 CC e.g. therapeutic genes (also ribozymes or antisense sequences),
 CC particularly an antigen-encoding sequence for use in gene or cell-based
 CC vaccines. Polypeptides encoded by the transcripts are also useful in
 CC vaccines; for diagnosing breast cancer and for raising specific
 CC antibodies (Ab). Ab are used to detect the polypeptides or as therapeutic
 CC agents. Host cells that produce the polypeptides can be used to expand
 CC and isolate populations of educated, antigen-specific immune effector
 CC cells, e.g. cytotoxic T lymphocytes, and these used for adoptive
 CC immunotherapy
 XX

SQ Sequence 10 BP; 0 A; 7 C; 0 G; 3 T; 0 U; 0 Other;

Query Match 12.3%; Score 9; DB 1; Length 10;
 Best Local Similarity 100.0%; Pred. No. 1.3e+03;
 Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 931 TCCCTCCTC 939
 |||||
 Db 2 TCCCTCCTC 10

RESULT 2542
 AAZ82042
 ID AAZ82042 standard; DNA; 10 BP.

AC AAZ82042;

DT 07-APR-2000 (first entry)

DE Metastatic breast tumour cell upregulated transcript tag #1276.

XX Human; metastatic breast tumour tissue; breast cancer; tag; primer;
 KW non-metastatic breast tumour tissue; gene therapy; anticancer;
 KW antimetastatic; vaccine; diagnosis; ss.

OS Homo sapiens.

XX WO9965928-A2.

PN 23-DEC-1999.

PD 18-JUN-1999; 99WO-US013647.

PF 19-JUN-1998; 98US-0089853P.

PR 19-JUN-1998; 98US-0089997P.

PR 19-JUN-1998; 98US-0090039P.

PR 19-JUN-1998; 98US-0090040P.

PR 19-JUN-1998; 98US-0090041P.

XX (GENZ) GENZYME CORP.

PA (ROBE/) ROBERTS B L.

PA (SHAN/) SHANKARA S.

PI Roberts BL, Shankara S;

XX WPI; 2000-106079/09.

DR Isolated polynucleotides differentially expressed between metastatic and

XX non-metastatic breast cancer cells, useful for diagnosis, prevention and

PT treatment of cancer.

XX Claim 1; Page 92; 219pp; English.

PS AAZ80767 to AAZ83941 represent tags corresponding to distinct transcripts

XX that are preferentially transcribed in the metastatic breast tumour

CC tissue (i.e. are upregulated in metastatic breast tumour cells). AAZ83942

CC to AAZ86677 represent tags corresponding to distinct transcripts that are

CC preferentially transcribed in the primary or non-metastatic breast tumour

CC tissue (i.e. are downregulated in metastatic breast tumour cells). These

CC transcripts can be used for diagnosis, prognosis, monitoring and

CC treatment of breast cancer, particularly where metastatic. Diagnosis is

CC by standard immunoassays or hybridisation/amplification reactions.

CC Compounds that modulate expression of the transcripts are potentially
 CC useful for treatment of (metastatic) breast cancer, while promoters from
 CC the transcripts are used to direct expression, in selected cell types, of
 CC e.g. therapeutic genes (also ribozymes or antisense sequences),
 CC particularly an antigen-encoding sequence for use in gene or cell-based
 CC vaccines. Polypeptides encoded by the transcripts are also useful in
 CC vaccines; for diagnosing breast cancer and for raising specific
 CC antibodies (Ab). Ab are used to detect the polypeptides or as therapeutic
 CC agents. Host cells that produce the polypeptides can be used to expand
 CC and isolate populations of educated, antigen-specific immune effector
 CC cells, e.g. cytotoxic T lymphocytes, and these used for adoptive
 CC immunotherapy

XX Sequence 10 BP; 0 A; 7 C; 0 G; 3 T; 0 U; 0 Other;
 SQ Query Match 12.3%; Score 9; DB 1; Length 10;
 Best Local Similarity 100.0%; Pred. No. 1.3e+03;
 Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 932 CCTCCCTCT 940
 Db 1 CCTCCCTCT 9

RESULT 2543
 AAZ84957/c
 ID AAZ84957 standard; DNA; 10 BP.
 XX AC AAZ84957;
 XX DT 07-APR-2000 (first entry)
 XX DE Metastatic breast tumour cell downregulated transcript tag #4191.
 XX KW Human; metastatic breast tumour tissue; breast cancer; tag; primer;
 XX KW non-metastatic breast tumour tissue; gene therapy; anticancer;
 XX KW antimetastatic; vaccine; diagnosis; ss.
 XX OS Homo sapiens.
 XX PN WO9965928-A2.
 XX PD 23-DEC-1999.
 XX PF 18-JUN-1999; 99WO-US013647.
 XX PR 19-JUN-1998; 98US-0089853P.
 XX PR 19-JUN-1998; 98US-0089997P.
 XX PR 19-JUN-1998; 98US-0090039P.
 XX PR 19-JUN-1998; 98US-0090040P.
 XX PR 19-JUN-1998; 98US-0090041P.
 XX PA (GENZ) GENZYME CORP.
 XX PA (ROBE/) ROBERTS B L.
 XX PA (SHAN/) SHANKARA S.
 XX PI Roberts BL, Shankara S;
 XX WPI; 2000-106079/09.
 XX Isolated polynucleotides differentially expressed between metastatic and
 XX non-metastatic breast cancer cells, useful for diagnosis, prevention and
 XX treatment of cancer.
 XX Claim 1; Page 170; 219pp; English.

CC AAZ80767 to AAZ83941 represent tags corresponding to distinct transcripts
 CC that are preferentially transcribed in the metastatic breast tumour
 CC tissue (i.e. are upregulated in metastatic breast tumour cells). AAZ83942
 CC to AAZ86777 represent tags corresponding to distinct transcripts that are
 CC preferentially transcribed in the primary or non-metastatic breast tumour
 CC tissue (i.e. are downregulated in metastatic breast tumour cells). These
 CC transcripts can be used for diagnosis, prognosis, monitoring and

CC treatment of breast cancer, particularly where metastatic. Diagnosis is
 CC by standard immunoassays or hybridisation/amplification reactions.
 CC Compounds that modulate expression of the transcripts are potentially
 CC useful for treatment of (metastatic) breast cancer, while promoters from
 CC the transcripts are used to direct expression, in selected cell types, of
 CC e.g. therapeutic genes (also ribozymes or antisense sequences),
 CC particularly an antigen-encoding sequence for use in gene or cell-based
 CC vaccines. Polypeptides encoded by the transcripts are also useful in
 CC vaccines; for diagnosing breast cancer and for raising specific
 CC antibodies (Ab). Ab are used to detect the polypeptides or as therapeutic
 CC agents. Host cells that produce the polypeptides can be used to expand
 CC and isolate populations of educated, antigen-specific immune effector
 CC cells, e.g. cytotoxic T lymphocytes, and these used for adoptive
 CC immunotherapy

XX Sequence 10 BP; 7 A; 1 C; 2 G; 0 T; 0 U; 0 Other;
 SQ Query Match 12.3%; Score 9; DB 1; Length 10;
 Best Local Similarity 100.0%; Pred. No. 1.3e+03;
 Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 908 TTTTCTTTG 916
 Db 10 TTTTCTTTG 2

RESULT 2544
 AAH63804/c
 ID AAH63804 standard; cDNA; 10 BP.
 XX AC AAH63804;
 XX DT 20-SRP-2001 (first entry)
 XX DE Human ubiquitously expressed transcriptome sequence SEQ ID NO: 644.
 XX KW Human; transcriptome; gene expression pattern; cancer; drug screening;
 XX KW cancer diagnosis; cell specific gene expression; ss.
 XX OS Homo sapiens.
 XX PN WO200138577-A2.
 XX PD 31-MAY-2001.
 XX PF 21-NOV-2000; 2000WO-US031922.
 XX PR 24-NOV-1999; 99US-00448480.
 XX PA (UYJO) UNIV JOHNS HOPKINS.
 XX PI Velculescu VE, Vogelstein B, Kinzler KW;
 XX WPI; 2001-367706/38.
 XX New isolated polynucleotides, useful for identifying specific cell type,
 XX such as cancer cell, comprises transcriptomes expressed in particular
 XX cell types.
 XX Claim 13; Page 53; 94pp; English.

CC The present invention describes a method of identifying the type of cell
 CC in a sample, involving determining which of the sequences AAH63161-
 CC AAH64724 is expressed by the cell. The transcriptomes described in the
 CC invention are cell-type specific, cancer specific or ubiquitously
 CC expressed in humans. They can also be used to screen for drugs, reduce
 CC cancer specific gene expression, standardise expression and restore the
 CC function of a diseased cell or tissue. The present sequence is one of the
 CC transcriptomes described in the exemplification of the invention

XX Sequence 10 BP; 5 A; 2 C; 2 G; 1 T; 0 U; 0 Other;
 SQ Query Match 12.3%; Score 9; DB 1; Length 10;

Best Local Similarity 100.0%; Pred. No. 1.3e+03; Mismatches 0; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Query 912 CTTTGGTCT 920
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 912 CTTTGGTCT 920
DB 9 CTTTGGTCT 1

RESULT 2546
AAF34140/C
ID AAF34140 standard; DNA; 10 BP.
AC AAF34140;
DT 23-MAR-2001 (first entry)
XX Yeast NORF gene SAGE tag oligonucleotide SEQ ID NO:879.
DE
XX Yeast; Saccharomyces cerevisiae; characterisation; cell cycle; NORF;
KW nor previously assigned open reading frame; nonannotated ORF; SAGE;
KW serial analysis of gene expression; antifungal; tag; identification;
KW linker; PCR primer; ds.
XX Saccharomyces cerevisiae.
OS
XX WO200077214-A2.
PN
XX 21-DEC-2000.
PD
XX 14-JUN-2000; 2000WO-US016223.
PF
XX 16-JUN-1999; 99US-00335032.
PR
XX (UYJO) UNIV JOHNS HOPKINS.
PA
XX Velulescu V, Vogelstein B, Kinzler K;
PI
XX WPI; 2001-061874/07.
DR
XX Yeast gene coding sequences comprising NORF genes with serial analysis of
PT gene expression (SAGE) tags, useful for studying, monitoring and
PT affecting phases of the cell cycle.
PS Example; Page 31; 419pp; English.

The present invention describes an isolated DNA molecule comprising a coding sequence of a yeast gene selected from a group of 745 NORF (not previously assigned open reading frame; or nonannotated ORF) genes comprising a SAGE (serial analysis of gene expression) tag. Also described are: (1) a method (M1) of using NORF genes to affect the cell cycle comprising administering a NORF gene whose expression varies by at least 10% between any two phases of the cell cycle selected from log phase, S phase and G2/M; (2) a method (M2) for screening candidate antifungal drugs comprising: (a) contacting a test substance with a yeast cell; and (b) monitoring expression of a NORF gene whose expression varies as in M1, where a test substance which modifies the expression of the yeast gene is a candidate antifungal drug; (3) a method (M3) for identifying human genes which are involved in cell cycle progression comprising contacting human DNA with a probe which comprises at least 10 contiguous nucleotides of a NORF gene whose expression varies as in M1; and (4) a method (M4) for identifying a candidate drug as a member of a class of drugs having a characteristic effect on gene expression in a yeast cell comprising contacting a yeast cell with a candidate drug and monitoring expression in the yeast cell of at least 1 NORF gene whose expression is affected by the class of drugs. The NORF genes may be used to study, monitor and affect phases of the cell cycle. The expressed genes may be used as markers of phases of the cell cycle. The methods may be used to identify candidate drugs which affect the cell cycle and for identification of antifungal drugs. AAF33268 to AAF44064 represent SAGE tags used in the exemplification of the present invention. AAF33262 to AAF33267 represent linkers and PCR primers used in the SAGE method, in the exemplification of the present invention.

SQ Sequence 10 BP; 4 A; 3 C; 2 G; 1 T; 0 U; 0 Other;
Query Match 12.3%; Score 9; DB 1; Length 10;
Best Local Similarity 100.0%; Pred. No. 1.3e+03;
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 916 GGTCTTTGC 924
DB 9 GGTCTTTGC 1

RESULT 2546
AAF39280/C
ID AAF39280 standard; DNA; 10 BP.
XX
AC AAF39280;
DT 23-MAR-2001 (first entry)
XX
DE Yeast NORF gene SAGE tag oligonucleotide SEQ ID NO:6019.
XX Yeast; Saccharomyces cerevisiae; characterisation; cell cycle; NORF;
KW nor previously assigned open reading frame; nonannotated ORF; SAGE;
KW serial analysis of gene expression; antifungal; tag; identification;
KW linker; PCR primer; ds.
XX
OS Saccharomyces cerevisiae.
XX
XX WO200077214-A2.
PN
XX 21-DEC-2000.
PD
XX 14-JUN-2000; 2000WO-US016223.
PF
XX 16-JUN-1999; 99US-00335032.
PR
XX (UYJO) UNIV JOHNS HOPKINS.
PA
XX Velulescu V, Vogelstein B, Kinzler K;
PI
XX WPI; 2001-061874/07.
DR
XX Yeast gene coding sequences comprising NORF genes with serial analysis of
PT gene expression (SAGE) tags, useful for studying, monitoring and
PT affecting phases of the cell cycle.
PS Example; Page 215; 419pp; English.

The present invention describes an isolated DNA molecule comprising a coding sequence of a yeast gene selected from a group of 745 NORF (not previously assigned open reading frame; or nonannotated ORF) genes comprising a SAGE (serial analysis of gene expression) tag. Also described are: (1) a method (M1) of using NORF genes to affect the cell cycle comprising administering a NORF gene whose expression varies by at least 10% between any two phases of the cell cycle selected from log phase, S phase and G2/M; (2) a method (M2) for screening candidate antifungal drugs comprising: (a) contacting a test substance with a yeast cell; and (b) monitoring expression of a NORF gene whose expression varies as in M1, where a test substance which modifies the expression of the yeast gene is a candidate antifungal drug; (3) a method (M3) for identifying human genes which are involved in cell cycle progression comprising contacting human DNA with a probe which comprises at least 10 contiguous nucleotides of a NORF gene whose expression varies as in M1; and (4) a method (M4) for identifying a candidate drug as a member of a class of drugs having a characteristic effect on gene expression in a yeast cell comprising contacting a yeast cell with a candidate drug and monitoring expression in the yeast cell of at least 1 NORF gene whose expression is affected by the class of drugs. The NORF genes may be used to study, monitor and affect phases of the cell cycle. The expressed genes may be used as markers of phases of the cell cycle. The methods may be used to identify candidate drugs which affect the cell cycle and for identification of antifungal drugs. AAF33268 to AAF44064 represent SAGE tags used in the exemplification of the present invention. AAF33262 to AAF33267 represent linkers and PCR primers used in the SAGE method, in the exemplification of the present invention.

CC AAF33262 to AAF33267 represent linkers and PCR primers used in the SAGE
CC method, in the exemplification of the present invention
XX
SQ Sequence 10 BP; 1 A; 2 C; 4 G; 3 T; 0 U; 0 Other;
Query Match 12.3%; Score 9; DB 1; Length 10;
Best Local Similarity 100.0%; Pred. No. 1.3e+03;
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 962 ACCAACGGT 970
|||||
9 ACCAACGGT 1

Db

RESULT 2547
AAAF39041/c
ID AAF39041 standard; DNA; 10 BP.
XX
AC AAF39041;
XX
DT 23-MAR-2001 (first entry)
XX
DE Yeast NORF gene SAGE tag oligonucleotide SEQ ID NO:5780.
XX
KW Yeast; Saccharomyces cerevisiae; characterisation; cell cycle; NORF;
KW nor previously assigned open reading frame; nonannotated ORF; SAGE;
KW serial analysis of gene expression; antifungal; tag; identification;
KW linker; PCR primer; ds.
XX
OS Saccharomyces cerevisiae.
XX
PN WO200077214-A2.
XX
PD 21-DEC-2000.
XX
PF 14-JUN-2000; 2000WO-US016223.
XX
PR 16-JUN-1999; 99US-00335032.
XX
PA (UYJO) UNIV JOHNS HOPKINS.
XX
PI Veiculescu V, Vogelstein B, Kinzler K;
XX WPI; 2001-061874/07.
XX
PT Yeast gene coding sequences comprising NORF genes with serial analysis of
PT gene expression (SAGE) tags, useful for studying, monitoring and
PT affecting phases of the cell cycle.
XX
PS Example; Page 206; 419pp; English.
XX
CC The present invention describes an isolated DNA molecule comprising a
CC coding sequence of a yeast gene selected from a group of 745 NORF (not
CC previously assigned open reading frame; or nonannotated ORF) genes
CC comprising a SAGE (serial analysis of gene expression) tag. Also
CC described are: (1) a method (M1) of using NORF genes to affect the cell
CC cycle comprising administering a NORF gene whose expression varies by at
CC least 10% between any two phases of the cell cycle selected from log
CC phase, S phase and G2/M; (2) a method (M2) for screening candidate
CC antifungal drugs comprising: (a) contacting a test substance with a yeast
CC cell; and (b) monitoring expression of a NORF gene whose expression
CC varies as in M1, where a test substance which modifies the expression of
CC the yeast gene is a candidate antifungal drug; (3) a method (M3) for
CC identifying human genes which are involved in cell cycle progression
CC comprising contacting human DNA with a probe which comprises at least 10
CC contiguous nucleotides of a NORF gene whose expression varies as in M1;
CC and (4) a method (M4) for identifying a candidate drug as a member of a
CC class of drugs having a characteristic effect on gene expression in a
CC yeast cell comprising contacting a yeast cell with a candidate drug and
CC monitoring expression in the yeast cell of at least 1 NORF gene whose
CC expression is affected by the class of drugs. The NORF genes may be used
CC to study, monitor and affect phases of the cell cycle, the differentially
CC expressed genes may be used as markers of phases of the cell cycle. The

CC methods may be used to identify candidate drugs which affect the cell
CC cycle and for identification of antifungal drugs. AAF33268 to AAF4064
CC represent SAGE tags used in the exemplification of the present invention.
CC AAF33262 to AAF33267 represent linkers and PCR primers used in the SAGE
CC method, in the exemplification of the present invention
XX
SQ Sequence 10 BP; 5 A; 1 C; 3 G; 1 T; 0 U; 0 Other;
Query Match 12.3%; Score 9; DB 1; Length 10;
Best Local Similarity 100.0%; Pred. No. 1.3e+03;
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 937 CTCCTCATT 945
|||||
9 CTCCTCATT 1

Db

RESULT 2548
AAAF36893/c
ID AAF36893 standard; DNA; 10 BP.
XX
AC AAF36893;
XX
DT 23-MAR-2001 (first entry)
XX
DE Yeast NORF gene SAGE tag oligonucleotide SEQ ID NO:3632.
XX
KW Yeast; Saccharomyces cerevisiae; characterisation; cell cycle; NORF;
KW nor previously assigned open reading frame; nonannotated ORF; SAGE;
KW serial analysis of gene expression; antifungal; tag; identification;
KW linker; PCR primer; ds.
XX
OS Saccharomyces cerevisiae.
XX
PN WO200077214-A2.
XX
PD 21-DEC-2000.
XX
PF 14-JUN-2000; 2000WO-US016223.
XX
PR 16-JUN-1999; 99US-00335032.
XX
PA (UYJO) UNIV JOHNS HOPKINS.
XX
PI Veiculescu V, Vogelstein B, Kinzler K;
XX WPI; 2001-061874/07.
XX
PT Yeast gene coding sequences comprising NORF genes with serial analysis of
PT gene expression (SAGE) tags, useful for studying, monitoring and
PT affecting phases of the cell cycle.
XX
PS Example; Page 129; 419pp; English.
XX
CC The present invention describes an isolated DNA molecule comprising a
CC coding sequence of a yeast gene selected from a group of 745 NORF (not
CC previously assigned open reading frame; or nonannotated ORF) genes
CC comprising a SAGE (serial analysis of gene expression) tag. Also
CC described are: (1) a method (M1) of using NORF genes to affect the cell
CC cycle comprising administering a NORF gene whose expression varies by at
CC least 10% between any two phases of the cell cycle selected from log
CC phase, S phase and G2/M; (2) a method (M2) for screening candidate
CC antifungal drugs comprising: (a) contacting a test substance with a yeast
CC cell; and (b) monitoring expression of a NORF gene whose expression
CC varies as in M1, where a test substance which modifies the expression of
CC the yeast gene is a candidate antifungal drug; (3) a method (M3) for
CC identifying human genes which are involved in cell cycle progression
CC comprising contacting human DNA with a probe which comprises at least 10
CC contiguous nucleotides of a NORF gene whose expression varies as in M1;
CC and (4) a method (M4) for identifying a candidate drug as a member of a
CC class of drugs having a characteristic effect on gene expression in a
CC yeast cell comprising contacting a yeast cell with a candidate drug and
CC monitoring expression in the yeast cell of at least 1 NORF gene whose
CC expression is affected by the class of drugs. The NORF genes may be used
CC to study, monitor and affect phases of the cell cycle, the differentially
CC expressed genes may be used as markers of phases of the cell cycle. The

CC expression is affected by the class of drugs. The NORF genes may be used
 CC to study, monitor and affect phases of the cell cycle, the differentially
 CC expressed genes may be used as markers of phases of the cell cycle. The
 CC methods may be used to identify candidate drugs which affect the cell
 CC cycle and for identification of antifungal drugs. AAF33268 to AAF4064
 CC represent SAGE tags used in the exemplification of the present invention.
 CC AAF3262 to AAF3267 represent linkers and PCR primers used in the SAGE
 CC method, in the exemplification of the present invention
 XX
 SQ Sequence 10 BP; 5 A; 2 C; 2 G; 1 T; 0 U; 0 Other;

Query Match 12.3%; Score 9; DB 1; Length 10;
 Best Local Similarity 100.0%; Pred. No. 1.3e+03;
 Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 903 GGTCAATTT 911
 Db |||||
 9 GGTCAATTT 1

RESULT 2549
 AAF42052/c
 ID AAF42052 standard; DNA; 10 BP.

XX AC AAF42052;

XX DT 23-MAR-2001 (first entry)

XX YE Yeast NORF gene SAGE tag oligonucleotide SEQ ID NO:8791.

XX YE Yeast; Saccharomyces cerevisiae; characterisation; cell cycle; NORF;
 KW nor previously assigned open reading frame; nonannotated ORF; SAGE;
 KW serial analysis of gene expression; antifungal; tag; identification;
 KW linker; PCR primer; ds.

XX OS Saccharomyces cerevisiae.

XX PN WO200077214-A2.

XX PD 21-DEC-2000.

XX PF 14-JUN-2000; 2000WO-US016223.

XX PR 16-JUN-1999; 99US-00335032.

XX PA (UYJO) UNIV JOHNS HOPKINS.

XX PI Velulescu V, Vogelstein B, Kinzler K;

XX DR WPI; 2001-061874/07.

XX YE Yeast gene coding sequences comprising NORF genes with serial analysis of
 PT gene expression (SAGE) tags, useful for studying, monitoring and
 PT affecting phases of the cell cycle.

XX Example; Page 314; 419pp; English.

XX The present invention describes an isolated DNA molecule comprising a
 CC coding sequence of a yeast gene selected from a group of 745 NORF (not
 CC previously assigned open reading frame; or nonannotated ORF) genes
 CC comprising a SAGE (serial analysis of gene expression) tag. Also
 CC described are: (1) a method (M1) of using NORF genes to affect the cell
 CC cycle comprising administering a NORF gene whose expression varies by at
 CC least 10% between any two phases of the cell cycle selected from log
 CC phase, S phase and G2/M; (2) a method (M2) for screening candidate
 CC antifungal drugs comprising: (a) contacting a test substance with a yeast
 CC cell; and (b) monitoring expression of a NORF gene whose expression
 CC varies as in M1, where a test substance which modifies the expression of
 CC the yeast gene is a candidate antifungal drug; (3) a method (M3) for
 CC identifying human genes which are involved in cell cycle progression
 CC comprising contacting human DNA with a probe which comprises at least 10
 CC contiguous nucleotides of a NORF gene whose expression varies as in M1;
 CC and (4) a method (M4) for identifying a candidate drug as a member of a

CC class of drugs having a characteristic effect on gene expression in a
 CC yeast cell comprising contacting a yeast cell with a candidate drug and
 CC monitoring expression in the yeast cell of at least 1 NORF gene whose
 CC expression is affected by the class of drugs. The NORF genes may be used
 CC to study, monitor and affect phases of the cell cycle, the differentially
 CC expressed genes may be used as markers of phases of the cell cycle. The
 CC methods may be used to identify candidate drugs which affect the cell
 CC cycle and for identification of antifungal drugs. AAF33268 to AAF4064
 CC represent SAGE tags used in the exemplification of the present invention.
 CC AAF3262 to AAF3267 represent linkers and PCR primers used in the SAGE
 CC method, in the exemplification of the present invention
 XX
 SQ Sequence 10 BP; 4 A; 1 C; 4 G; 1 T; 0 U; 0 Other;

Query Match 12.3%; Score 9; DB 1; Length 10;
 Best Local Similarity 100.0%; Pred. No. 1.3e+03;
 Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 928 TTATCCCTC 936
 Db |||||
 9 TTATCCCTC 1

RESULT 2550

AAF40411

ID AAF40411 standard; DNA; 10 BP.

XX AC AAF40411;

XX DT 23-MAR-2001 (first entry)

XX YE Yeast NORF gene SAGE tag oligonucleotide SEQ ID NO:7150.

XX YE Yeast; Saccharomyces cerevisiae; characterisation; cell cycle; NORF;
 KW nor previously assigned open reading frame; nonannotated ORF; SAGE;
 KW serial analysis of gene expression; antifungal; tag; identification;
 KW linker; PCR primer; ds.

XX OS Saccharomyces cerevisiae.

XX PN WO200077214-A2.

XX PD 21-DEC-2000.

XX PF 14-JUN-2000; 2000WO-US016223.

XX PR 16-JUN-1999; 99US-00335032.

XX PA (UYJO) UNIV JOHNS HOPKINS.

XX PI Velulescu V, Vogelstein B, Kinzler K;

XX DR WPI; 2001-061874/07.

XX YE Yeast gene coding sequences comprising NORF genes with serial analysis of
 PT gene expression (SAGE) tags, useful for studying, monitoring and
 PT affecting phases of the cell cycle.

XX Example; Page 255; 419pp; English.

XX The present invention describes an isolated DNA molecule comprising a
 CC coding sequence of a yeast gene selected from a group of 745 NORF (not
 CC previously assigned open reading frame; or nonannotated ORF) genes
 CC comprising a SAGE (serial analysis of gene expression) tag. Also
 CC described are: (1) a method (M1) of using NORF genes to affect the cell
 CC cycle comprising administering a NORF gene whose expression varies by at
 CC least 10% between any two phases of the cell cycle selected from log
 CC phase, S phase and G2/M; (2) a method (M2) for screening candidate
 CC antifungal drugs comprising: (a) contacting a test substance with a yeast
 CC cell; and (b) monitoring expression of a NORF gene whose expression
 CC varies as in M1, where a test substance which modifies the expression of
 CC the yeast gene is a candidate antifungal drug; (3) a method (M3) for
 CC identifying human genes which are involved in cell cycle progression

CC comprising contacting human DNA with a probe which comprises at least 10
 CC contiguous nucleotides of a NORF gene whose expression varies as in M1;
 CC and (4) a method (M4) for identifying a candidate drug as a member of a
 CC class of drugs having a characteristic effect on gene expression in a
 CC yeast cell comprising contacting a yeast cell with a candidate drug and
 CC monitoring expression in the yeast cell of at least 1 NORF gene whose
 CC expression is affected by the class of drugs. The NORF genes whose
 CC to study, monitor and affect phases of the cell cycle, the differentially
 CC expressed genes may be used as markers of phases of the cell cycle. The
 CC methods may be used to identify candidate drugs which affect the cell
 CC cycle and for identification of antifungal drugs. AAF33268 to AAF4064
 CC represent SAGE tags used in the exemplification of the present invention.
 CC AAF33262 to AAF33267 represent linkers and PCR primers used in the SAGE
 CC method, in the exemplification of the present invention
 XX
 SQ Sequence 10 BP; 1 A; 1 C; 0 G; 8 T; 0 U; 0 Other;

Query Match 12.3%; Score 9; DB 1; Length 10;
 Best Local Similarity 100.0%; Pred. No. 1.3e+03;
 Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
 QY 907 ATTTCCTTT 915
 Db 1 ATTTCCTTT 9

RESULT 2551
 AAF40134/C
 ID AAF40134 standard; DNA; 10 BP.
 XX AAF40134;
 AC AAF40134;
 DT 23-MAR-2001 (first entry)
 DE Yeast NORF gene SAGE tag oligonucleotide SEQ ID NO:6873.
 KW Yeast; Saccharomyces cerevisiae; characterisation; cell cycle; NORF;
 KW nor previously assigned open reading frame; nonannotated ORF; SAGE;
 KW serial analysis of gene expression; antifungal; tag; identification;
 KW linker; PCR primer; ds.
 XX
 OS Saccharomyces cerevisiae.
 XX
 PN WO200077214-A2.
 XX
 PD 21-DEC-2000.
 XX
 PF 14-JUN-2000; 2000WO-US016223.
 XX
 PR 16-JUN-1999; 99US-00335032.
 XX
 PA (UYJO) UNIV JOHNS HOPKINS.
 XX
 PI Velulescu V, Vogelstein B, Kinzler K;
 XX
 DR WPI; 2001-061874/07.

XX Yeast gene coding sequences comprising NORF genes with serial analysis of
 PT gene expression (SAGE) tags, useful for studying, monitoring and
 PT affecting phases of the cell cycle.
 XX
 PS Example; Page 245; 419pp; English.

XX The present invention describes an isolated DNA molecule comprising a
 CC coding sequence of a yeast gene selected from a group of 745 NORF (not
 CC previously assigned open reading frame; or nonannotated ORF) genes
 CC comprising a SAGE (serial analysis of gene expression) tag. Also
 CC described are: (1) a method (M1) of using NORF genes to affect the cell
 CC cycle comprising administering a NORF gene whose expression varies by at
 CC least 10% between any two phases of the cell cycle selected from log
 CC phase, S phase and G2/M; (2) a method (M2) for screening candidate
 CC antifungal drugs comprising: (a) contacting a test substance with a yeast
 CC cell; and (b) monitoring expression of a NORF gene whose expression

CC varies as in M1, where a test substance which modifies the expression of
 CC the yeast gene is a candidate antifungal drug; (3) a method (M3) for
 CC identifying human genes which are involved in cell cycle progression
 CC comprising contacting human DNA with a probe which comprises at least 10
 CC contiguous nucleotides of a NORF gene whose expression varies as in M1;
 CC and (4) a method (M4) for identifying a candidate drug as a member of a
 CC class of drugs having a characteristic effect on gene expression in a
 CC yeast cell comprising contacting a yeast cell with a candidate drug and
 CC monitoring expression in the yeast cell of at least 1 NORF gene whose
 CC expression is affected by the class of drugs. The NORF genes whose
 CC to study, monitor and affect phases of the cell cycle, the differentially
 CC expressed genes may be used as markers of phases of the cell cycle. The
 CC methods may be used to identify candidate drugs which affect the cell
 CC cycle and for identification of antifungal drugs. AAF33268 to AAF4064
 CC represent SAGE tags used in the exemplification of the present invention.
 CC AAF33262 to AAF33267 represent linkers and PCR primers used in the SAGE
 CC method, in the exemplification of the present invention
 XX
 SQ Sequence 10 BP; 3 A; 3 C; 3 G; 1 T; 0 U; 0 Other;

Query Match 12.3%; Score 9; DB 1; Length 10;
 Best Local Similarity 100.0%; Pred. No. 1.3e+03;
 Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 900 CCTGGTCAT 908
 Db 9 CCTGGTCAT 1

RESULT 2552
 AAF41681/C
 ID AAF41681 standard; DNA; 10 BP.
 XX AAF41681;
 AC AAF41681;
 DT 23-MAR-2001 (first entry)
 DE Yeast NORF gene SAGE tag oligonucleotide SEQ ID NO:8420.
 KW Yeast; Saccharomyces cerevisiae; characterisation; cell cycle; NORF;
 KW nor previously assigned open reading frame; nonannotated ORF; SAGE;
 KW serial analysis of gene expression; antifungal; tag; identification;
 KW linker; PCR primer; ds.
 XX
 OS Saccharomyces cerevisiae.
 XX
 PN WO200077214-A2.
 XX
 PD 21-DEC-2000.
 XX
 PF 14-JUN-2000; 2000WO-US016223.
 XX
 PR 16-JUN-1999; 99US-00335032.
 XX
 PA (UYJO) UNIV JOHNS HOPKINS.
 XX
 PI Velulescu V, Vogelstein B, Kinzler K;
 XX
 DR WPI; 2001-061874/07.

XX Yeast gene coding sequences comprising NORF genes with serial analysis of
 PT gene expression (SAGE) tags, useful for studying, monitoring and
 PT affecting phases of the cell cycle.
 XX
 PS Example; Page 300; 419pp; English.

XX The present invention describes an isolated DNA molecule comprising a
 CC coding sequence of a yeast gene selected from a group of 745 NORF (not
 CC previously assigned open reading frame; or nonannotated ORF) genes
 CC comprising a SAGE (serial analysis of gene expression) tag. Also
 CC described are: (1) a method (M1) of using NORF genes to affect the cell
 CC cycle comprising administering a NORF gene whose expression varies by at
 CC least 10% between any two phases of the cell cycle selected from log
 CC phase, S phase and G2/M; (2) a method (M2) for screening candidate
 CC antifungal drugs comprising: (a) contacting a test substance with a yeast
 CC cell; and (b) monitoring expression of a NORF gene whose expression

CC phase, S phase and G2/M; (2) a method (M2) for screening candidate
 CC antifungal drugs comprising: (a) contacting a test substance with a yeast
 CC cell; and (b) monitoring expression of a NORF gene whose expression
 CC varies as in M1, where a test substance which modifies the expression of
 CC the yeast gene is a candidate antifungal drug; (3) a method (M3) for
 CC identifying human genes which are involved in cell cycle progression
 CC comprising contacting human DNA with a probe which comprises at least 10
 CC contiguous nucleotides of a NORF gene whose expression varies as in M1;
 CC and (4) a method (M4) for identifying a candidate drug as a member of a
 CC class of drugs having a characteristic effect on gene expression in a
 CC yeast cell comprising contacting a yeast cell with a candidate drug and
 CC monitoring expression in the yeast cell of at least 1 NORF gene whose
 CC expression is affected by the class of drugs. The NORF genes may be used
 CC to study, monitor and affect phases of the cell cycle, the differentially
 CC expressed genes may be used as markers of phases of the cell cycle. The
 CC methods may be used to identify candidate drugs which affect the cell
 CC cycle and for identification of antifungal drugs. AAF33268 to AAF44064
 CC represent SAGE tags used in the exemplification of the present invention.
 CC AAF33262 to AAF33267 represent linkers and PCR primers used in the SAGE
 CC method, in the exemplification of the present invention
 XX
 SQ Sequence 10 BP; 5 A; 1 C; 3 G; 1 T; 0 U; 0 Other;

Query Match 12.3%; Score 9; DB 1; Length 10;
 Best Local Similarity 100.0%; Pred. No. 1.3e+03;
 Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 904 GTCATTTTC 912
 Db 9 GTCATTTTC 1
 |||||

RESULT 2553
 AAF40571/c
 ID AAF40571 standard; DNA; 10 BP.
 XX AAF40571;
 AC AAF40571;
 DT 23-MAR-2001 (first entry)
 DE Yeast NORF gene SAGE tag oligonucleotide SEQ ID NO:7310.
 XX Yeast; Saccharomyces cerevisiae; characterisation; cell cycle; NORF;
 KW nor previously assigned open reading frame; nonannotated ORF; SAGE;
 KW serial analysis of gene expression; antifungal; tag; identification;
 KW linker; PCR primer; ds.
 XX
 OS Saccharomyces cerevisiae.
 XX WO200077214-A2.
 PN WO200077214-A2.
 PD 21-DEC-2000.
 XX
 PF 14-JUN-2000; 2000WO-US016223.
 XX
 PR 16-JUN-1999; 99US-00335032.
 XX
 PA (UYJO) UNIV JOHNS HOPKINS.
 XX
 PI Velulescu V, Vogelstein B, Kinzler K;
 XX WPI; 2001-061874/07.
 XX

XX Yeast gene coding sequences comprising NORF genes with serial analysis of
 PT gene expression (SAGE) tags, useful for studying, monitoring and
 PT affecting phases of the cell cycle.
 XX
 PS Example; Page 261; 419pp; English.
 XX
 CC The present invention describes an isolated DNA molecule comprising a
 CC coding sequence of a yeast gene selected from a group of 745 NORF (not
 CC previously assigned open reading frame; or nonannotated ORF) genes
 CC comprising a SAGE (serial analysis of gene expression) tag. Also

CC described are: (1) a method (M1) of using NORF genes to affect the cell
 CC cycle comprising administering a NORF gene whose expression varies by at
 CC least 10% between any two phases of the cell cycle selected from log
 CC phase, S phase and G2/M; (2) a method (M2) for screening candidate
 CC antifungal drugs comprising: (a) contacting a test substance with a yeast
 CC cell; and (b) monitoring expression of a NORF gene whose expression
 CC varies as in M1, where a test substance which modifies the expression of
 CC the yeast gene is a candidate antifungal drug; (3) a method (M3) for
 CC identifying human genes which are involved in cell cycle progression
 CC comprising contacting human DNA with a probe which comprises at least 10
 CC contiguous nucleotides of a NORF gene whose expression varies as in M1;
 CC and (4) a method (M4) for identifying a candidate drug as a member of a
 CC class of drugs having a characteristic effect on gene expression in a
 CC yeast cell comprising contacting a yeast cell with a candidate drug and
 CC monitoring expression in the yeast cell of at least 1 NORF gene whose
 CC expression is affected by the class of drugs. The NORF genes may be used
 CC to study, monitor and affect phases of the cell cycle, the differentially
 CC expressed genes may be used as markers of phases of the cell cycle. The
 CC methods may be used to identify candidate drugs which affect the cell
 CC cycle and for identification of antifungal drugs. AAF33268 to AAF44064
 CC represent SAGE tags used in the exemplification of the present invention.
 CC AAF33262 to AAF33267 represent linkers and PCR primers used in the SAGE
 CC method, in the exemplification of the present invention
 XX

SQ Sequence 10 BP; 6 A; 3 C; 1 G; 0 T; 0 U; 0 Other;

Query Match 12.3%; Score 9; DB 1; Length 10;
 Best Local Similarity 100.0%; Pred. No. 1.3e+03;
 Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 910 TTCTTTGGT 918
 Db 10 TTCTTTGGT 2
 |||||

RESULT 2554
 AAF40119
 ID AAF40119 standard; DNA; 10 BP.
 XX AAF40119;
 AC AAF40119;
 DT 23-MAR-2001 (first entry)
 DE Yeast NORF gene SAGE tag oligonucleotide SEQ ID NO:6858.
 XX Yeast; Saccharomyces cerevisiae; characterisation; cell cycle; NORF;
 KW nor previously assigned open reading frame; nonannotated ORF; SAGE;
 KW serial analysis of gene expression; antifungal; tag; identification;
 KW linker; PCR primer; ds.
 XX
 OS Saccharomyces cerevisiae.
 XX WO200077214-A2.
 PN WO200077214-A2.
 PD 21-DEC-2000.
 XX
 PF 14-JUN-2000; 2000WO-US016223.
 XX
 PR 16-JUN-1999; 99US-00335032.
 XX
 PA (UYJO) UNIV JOHNS HOPKINS.
 XX
 PI Velulescu V, Vogelstein B, Kinzler K;
 XX WPI; 2001-061874/07.
 XX

XX Yeast gene coding sequences comprising NORF genes with serial analysis of
 PT gene expression (SAGE) tags, useful for studying, monitoring and
 PT affecting phases of the cell cycle.
 XX
 PS Example; Page 244; 419pp; English.
 XX
 CC The present invention describes an isolated DNA molecule comprising a

coding sequence of a yeast gene selected from a group of 745 NORF (not previously assigned open reading frame; or nonannotated ORF) genes comprising a SAGE (serial analysis of gene expression) tag. Also described are: (1) a method (M1) of using NORF genes to affect the cell cycle comprising administering a NORF gene whose expression varies by at least 10% between any two phases of the cell cycle selected from log phase, S phase and G2/M; (2) a method (M2) for screening candidate antifungal drugs comprising: (a) contacting a test substance with a yeast cell; and (b) monitoring expression of a NORF gene whose expression varies as in M1, where a test substance which modifies the expression of the yeast gene is a candidate antifungal drug; (3) a method (M3) for identifying human genes which are involved in cell cycle progression comprising contacting human DNA with a probe which comprises at least 10 contiguous nucleotides of a NORF gene whose expression varies as in M1; and (4) a method (M4) for identifying a candidate drug as a member of a class of drugs having a characteristic effect on gene expression in a yeast cell comprising contacting a yeast cell with a candidate drug and monitoring expression in the yeast cell of at least 1 NORF gene whose expression is affected by the class of drugs. The NORF genes may be used to study, monitor and affect phases of the cell cycle, the differentially expressed genes may be used as markers of phases of the cell cycle. The methods may be used to identify candidate drugs which affect the cell cycle and for identification of antifungal drugs. AAF33268 to AAF44064 represent SAGE tags used in the exemplification of the present invention. AAF33262 to AAF33267 represent linkers and PCR primers used in the SAGE method, in the exemplification of the present invention.

Sequence 10 BP; 1 A; 3 C; 1 G; 5 T; 0 U; 0 Other;

Query Match 12.3%; Score 9; DB 1; Length 10;
Best Local Similarity 100.0%; Pred. No. 1.3e+03;
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 918 TCTTTGGCT 926
| | | | |
Db 2 TCTTTGGCT 10

RESULT 2555

AAAF38371

ID AAF38371 standard; DNA; 10 BP.

AC AAF38371;

XX 23-MAR-2001 (first entry)

DT Yeast NORF gene SAGE tag oligonucleotide SEQ ID NO:5110.

DE Yeast; Saccharomyces cerevisiae; characterisation; cell cycle; NORF;
KW nor previously assigned open reading frame; nonannotated ORF; SAGE;
KW serial analysis of gene expression; antifungal; tag; identification;
KW linker; PCR primer; ds.

XX Saccharomyces cerevisiae.

OS WO200077214-A2.

PN 21-DEC-2000.

XX 14-JUN-2000; 2000WO-US016223.

PF 16-JUN-1999; 99US-00335032.

XX (UYJO) UNIV JOHNS HOPKINS.

XX Velulescu V, Vogelstein B, Kinzler K;

PI WPI; 2001-061874/07.

DR Yeast gene coding sequences comprising NORF genes with serial analysis of
PT gene expression (SAGE) tags useful for studying, monitoring and
PT affecting phases of the cell cycle.

PS Example; Page 182; 419pp; English.

XX The present invention describes an isolated DNA molecule comprising a
CC coding sequence of a yeast gene selected from a group of 745 NORF (not
CC previously assigned open reading frame; or nonannotated ORF) genes
CC comprising a SAGE (serial analysis of gene expression) tag. Also
CC described are: (1) a method (M1) of using NORF genes to affect the cell
CC cycle comprising administering a NORF gene whose expression varies by at
CC least 10% between any two phases of the cell cycle selected from log
CC phase, S phase and G2/M; (2) a method (M2) for screening candidate
CC antifungal drugs comprising: (a) contacting a test substance with a yeast
CC cell; and (b) monitoring expression of a NORF gene whose expression
CC varies as in M1, where a test substance which modifies the expression of
CC the yeast gene is a candidate antifungal drug; (3) a method (M3) for
CC identifying human genes which are involved in cell cycle progression
CC comprising contacting human DNA with a probe which comprises at least 10
CC contiguous nucleotides of a NORF gene whose expression varies as in M1;
CC and (4) a method (M4) for identifying a candidate drug as a member of a
CC class of drugs having a characteristic effect on gene expression in a
CC yeast cell comprising contacting a yeast cell with a candidate drug and
CC monitoring expression in the yeast cell of at least 1 NORF gene whose
CC expression is affected by the class of drugs. The NORF genes may be used
CC to study, monitor and affect phases of the cell cycle, the differentially
CC expressed genes may be used as markers of phases of the cell cycle. The
CC methods may be used to identify candidate drugs which affect the cell
CC cycle and for identification of antifungal drugs. AAF33268 to AAF44064
CC represent SAGE tags used in the exemplification of the present invention.
CC AAF33262 to AAF33267 represent linkers and PCR primers used in the SAGE
CC method, in the exemplification of the present invention

XX Sequence 10 BP; 0 A; 1 C; 3 G; 6 T; 0 U; 0 Other;

Query Match 12.3%; Score 9; DB 1; Length 10;
Best Local Similarity 100.0%; Pred. No. 1.3e+03;
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 913 TTGTGGCTT 921
| | | | |
Db 1 TTGTGGCTT 9

RESULT 2556

AAAF36038/c

ID AAF36038 standard; DNA; 10 BP.

XX AAF36038;

XX 23-MAR-2001 (first entry)

DT Yeast NORF gene SAGE tag oligonucleotide SEQ ID NO:2777.

DE Yeast; Saccharomyces cerevisiae; characterisation; cell cycle; NORF;
KW nor previously assigned open reading frame; nonannotated ORF; SAGE;
KW serial analysis of gene expression; antifungal; tag; identification;
KW linker; PCR primer; ds.

XX Saccharomyces cerevisiae.

OS WO200077214-A2.

PN 21-DEC-2000.

XX 14-JUN-2000; 2000WO-US016223.

PF 16-JUN-1999; 99US-00335032.

XX (UYJO) UNIV JOHNS HOPKINS.

XX Velulescu V, Vogelstein B, Kinzler K;

PI WPI; 2001-061874/07.

DR Yeast gene coding sequences comprising NORF genes with serial analysis of
PT gene expression (SAGE) tags useful for studying, monitoring and
PT affecting phases of the cell cycle.

PT gene expression (SAGE) tags, useful for studying, monitoring and
 XX affecting phases of the cell cycle.

PS Example; Page 99; 419pp; English.

XX The present invention describes an isolated DNA molecule comprising a
 CC coding sequence of a yeast gene selected from a group of 745 NORF (not
 CC previously assigned open reading frame; or nonannotated ORF) genes
 CC comprising a SAGE (serial analysis of gene expression) tag. Also
 CC described are: (1) a method (M1) of using NORF genes to affect the cell
 CC cycle comprising administering a NORF gene whose expression varies by at
 CC least 10% between any two phases of the cell cycle selected from log
 CC phase, S phase and G2/M; (2) a method (M2) for screening candidate
 CC antifungal drugs comprising: (a) contacting a test substance with a yeast
 CC cell; and (b) monitoring expression of a NORF gene whose expression
 CC varies as in M1, where a test substance which modifies the expression of
 CC the yeast gene is a candidate antifungal drug; (3) a method (M3) for
 CC identifying human genes which are involved in cell cycle progression
 CC comprising contacting human DNA with a probe which comprises at least 10
 CC contiguous nucleotides of a NORF gene whose expression varies as in M1;
 CC and (4) a method (M4) for identifying a candidate drug as a member of a
 CC class of drugs having a characteristic effect on gene expression in a
 CC yeast cell comprising contacting a yeast cell with a candidate drug and
 CC monitoring expression in the yeast cell of at least 1 NORF gene whose
 CC expression is affected by the class of drugs. The NORF genes may be used
 CC to study, monitor and affect phases of the cell cycle, the differentially
 CC expressed genes may be used as markers of phases of the cell cycle. The
 CC methods may be used to identify candidate drugs which affect the cell
 CC cycle and for identification of antifungal drugs. AAF33268 to AAF44064
 CC represent SAGE tags used in the exemplification of the present invention.
 CC AAF33262 to AAF33267 represent linkers and PCR primers used in the SAGE
 CC method, in the exemplification of the present invention

XX Sequence 10 BP; 6 A; 2 C; 1 G; 1 T; 0 U; 0 Other;

Query Match 12.3%; Score 9; DB 1; Length 10;
 Best Local Similarity 100.0%; Pred. No. 1.3e+03;
 Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 913 TTGTGCTTT 921
 |||||
 DB 10 TTGTGCTTT 2

RESULT 2557
 ID ABK68693
 AC ABK68693 standard; DNA; 10 BP.

AC ABK68693;

XX 02-JUL-2002 (first entry)

DE Human SCYA2 gene allele-specific oligonucleotide PCR primer #1.

KW Human; small inducible cytokine A2; SCYA2; primer; ss; haplotype pair;
 KW haplotyping; atherosclerosis; antiarteriosclerotic; gene therapy;
 KW single nucleotide polymorphism; genotyping; drug screening; PCR;
 KW chromosome 17q11.2-q21.1.

OS Homo sapiens.

PN WO200218413-A2.

XX 07-MAR-2002.

PF 28-AUG-2001; 2001WO-US026899.

PR 28-AUG-2000; 2000US-0228496P.

PA (GENA-) GENAISSANCE PHARM INC.

PI Anastasio AE, Finkel X, Koshy B, Kumar AM, Lee HH;

DR WPI; 2002-339655/37.

XX New genetic variants having polymorphisms in the small inducible cytokine
 PT A1 (SCYA2) gene, useful for studying the function of SCYA2, and for
 PT treating disorders affected by expression or function of the SCYA2
 PT isogene.

PS Claim 19; Page 13; 58pp; English.

XX The invention relates to single nucleotide polymorphisms in the gene
 CC encoding human small inducible cytokine A2 (SCYA2) polypeptide. A method
 CC for haplotyping the SCYA2 gene in an individual comprises identifying the
 CC nucleotide at one or more polymorphic sites and determining whether one
 CC of the copies of the gene is defined by one of the SCYA2 haplotypes given
 CC in the specification or whether both copies are defined by a haplotype
 CC pair. This method is useful in genotyping, whereby all possible haplotype
 CC pairs can be assigned to specific genotypes. An association between a
 CC trait and a haplotype or haplotype pair of the SCYA2 gene can be
 CC identified by comparing the frequency of the haplotype or haplotype pair
 CC in a population exhibiting the trait with the frequency of the haplotype
 CC or haplotype pair in a reference population, where a higher haplotype
 CC frequency in the trait population indicates the trait is associated with
 CC the haplotype or haplotype pair. SCYA2 and its corresponding DNA are used
 CC for studying the expression and function of SCYA2, and in screening for
 CC candidate drugs to treat diseases related to SCYA2 activity, such as
 CC atherosclerosis. Sequences ABK6893-ABK68704 represent allele-specific
 CC oligonucleotide PCR primers used for detecting SCYA2 gene polymorphisms

XX Sequence 10 BP; 0 A; 7 C; 0 G; 3 T; 0 U; 0 Other;

Query Match 12.3%; Score 9; DB 1; Length 10;
 Best Local Similarity 100.0%; Pred. No. 1.3e+03;
 Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 931 TCCCTCCTC 939
 |||||
 DB 1 TCCCTCCTC 9

RESULT 2558
 ID ABL99034/C
 AC ABL99034 standard; cDNA; 10 BP.

AC ABL99034;

XX 25-JUN-2002 (first entry)

DE Mouse neuronal regeneration related SAGE EST 29.

KW Mouse; neuronal; regeneration; nerve cell; synaptic efficiency; memory;
 KW learning disorder; serial analysis of gene expression; SAGE;
 KW gene expression; hippocampus; expressed sequence tag; EST; ss.

OS Mus sp.

PN DE10048893-A1.

XX 11-APR-2002.

PF 02-OCT-2000; 2000DE-01048893.

PR 02-OCT-2000; 2000DE-01048893.

PA (LION-) LION BIOSCIENCE AG.

XX WPI; 2002-341428/38.

XX New nucleic acids involved in neuronal regeneration, useful in screening
 PT for modulators of regeneration or synaptic efficiency, and potential
 PT therapeutic agents.

XX Example 6; Page 9; 38pp; German.

CC The invention relates to nucleic acids (ABL98957-ABL99004) involved in
CC regenerative neuronal processes and encoded proteins (ABE79403-ABE79409)
CC used to screen for compounds and potential therapeutic agents that
CC modulate nerve cell regeneration and/or synaptic efficiency. They may
CC also be used for treatment or diagnosis of defective or pathological
CC memory and learning conditions. The present sequence is that of an EST
CC isolated from serial analysis of gene expression (SAGE) experiments
CC comparing gene expression in the hippocampus of GFAP/L1 transgenic mice
CC versus a wildtype control. The resultant EST were used to isolate the
CC nucleic acids of the invention
XX Sequence 10 BP; 5 A; 3 C; 1 G; 1 T; 0 U; 0 Other;
SQ
Query Match 12.3%; Score 9; DB 1; Length 10;
Best Local Similarity 100.0%; Pred. No. 1.3e+03;
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 940 TTCATTGGT 948
DB 9 TTCATTGGT 1
RESULT 2559
ABK16990/c
ID ABK16990 standard; DNA; 10 BP.
XX
AC ABK16990;
XX
DT 26-MAR-2002 (first entry)
XX
DE Pyridoxal (Pyridoxine, vitamin B6) Kinase (PDXX) primer #13.
XX
KW Pyridoxal kinase; pyridoxine; vitamin B6;
KW PDXX autoimmune polyglandular disease type 1; transgenic animal;
KW gene therapy; primer extension; primer; ss.
XX
OS Homo sapiens.
XX
FN WO200190125-A2.
XX
PD 29-NOV-2001.
XX
PF 24-MAY-2001; 2001WO-US016909.
XX
PR 24-MAY-2000; 2000US-0206664P.
XX
PA (GENA-) GENAISSANCE PHARM INC.
XX
PI Chew A, Duda A, Koshy B;
XX
DR WPI; 2002-106169/14.
XX
CC Isolated human pyridoxal (pyridoxine, vitamin B6) kinase polyNTs, useful
CC for therapeutic purposes, for studying the expression and function of the
CC polyNT, and for expressing pyridoxal protein.
XX
FS Claim 19; Page 14; 135pp; English.
XX
CC The invention describes an isolated human pyridoxal (pyridoxine, vitamin
CC B6) kinase, (PDXX) polynucleotide. The polynucleotide is useful in
CC studying the expression and function of PDXX, and in expressing PDXX
CC protein for use in screening for candidate drugs to treat PDXX related
CC diseases and for therapeutic purposes. A transgenic animal is useful for
CC studying expression of the PDXX isogenes in vivo, for in vivo screening
CC and testing of drugs targeted against PDXX protein, and for testing the
CC efficacy of therapeutic agents and compounds for autoimmune polyglandular
CC disease type 1. The polypeptide is useful for studying the effect of the
CC variation on the biological activity of PDXX and the binding affinity of
CC candidate drugs targeting PDXX for the treatment of autoimmune
CC polyglandular disease type 1. Genotyping and haplotyping is useful for
CC improving the efficacy and reliability of several steps in the discovery
CC and development of drugs for treating diseases associated with PDXX
CC activity, e.g., autoimmune polyglandular disease type 1, to validate PDXX

CC as a candidate agent for treating a specific condition or disease
CC predicted to be associated with PDXX activity, and in the design of
CC clinical trials of candidate drugs. This sequence is one of 38 (see
CC ABK16978-ABK17015) primers used for detecting PDXX gene polymorphisms by
CC primer extension terminates, described in the method of the invention
XX
SQ Sequence 10 BP; 8 A; 1 C; 1 G; 0 T; 0 U; 0 Other;
Query Match 12.3%; Score 9; DB 1; Length 10;
Best Local Similarity 100.0%; Pred. No. 1.3e+03;
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 908 TTTTCTTTG 916
DB 10 TTTTCTTTG 2
RESULT 2560
ABV84222/c
ID ABV84222 standard; cDNA; 10 BP.
XX
AC ABV84222;
XX
DT 12-DEC-2002 (first entry)
XX
DE Human heat shock protein 40 (HSP40-1) SAGE tag #32.
XX
KW SAGE tag; serial analysis of gene expression; human; chronic hepatitis C;
KW CH; liver tissue; hepatocellular carcinoma; cancer; tumour; HCC;
KW expression pattern; differential expression; ss.
XX
OS Homo sapiens.
XX
PN JP2002209591-A.
XX
PD 30-JUL-2002.
XX
PF 19-JAN-2001; 2001JP-00012328.
XX
PR 19-JAN-2001; 2001JP-00012328.
XX
PA (KAGA-) KAGAKU GIJUTSU SHINKO JIGYODAN.
XX
DR WPI; 2002-631294/68.
XX
CC Human chronic hepatitis C tissue expression exasperating gene group
CC comprises 100 high-ranking genes.
XX
PS Claim 1; Page 10; 139pp; Japanese.
XX
CC The invention relates to SAGE (serial analysis of gene expression) tags
CC representing groups of genes which are differentially expressed in human
CC chronic hepatitis C (CH) liver tissue or hepatitis C-induced
CC hepatocellular carcinoma (HCC) compared with normal human liver tissue.
CC The SAGE tags of this invention consist of a sequence of 10 nucleotides
CC located downstream of the 5'-CATG-3' sequence motif lying nearest to the
CC polyA region of cDNAs derived from a variety of genes. These tags serve
CC to uniquely identify each transcript and can thus be used to analyse the
CC pattern of gene expression in particular cell types. The invention also
CC relates to proteins encoded by the genes expressed in chronic hepatitis C
CC liver tissue or HCC, antibodies against these proteins, and inhibitors of
CC the expression of groups of genes that are overexpressed in chronic
CC hepatitis C liver tissue or HCC. Groups of genes differentially expressed
CC in chronic hepatitis C tissue or HCC may be used for the diagnosis and
CC treatment of these diseases. Such genes, inhibitors of their expression
CC or activity, and antibodies against the gene products may be used in the
CC development of drugs to treat chronic hepatitis C and/or HCC. Sequences
CC ABV84191-ABV84290 are SAGE tags representing the 100 most highly
CC expressed genes out of those genes which are overexpressed in chronic
CC hepatitis C liver tissue compared with normal liver tissue
XX
SQ Sequence 10 BP; 5 A; 2 C; 2 G; 1 T; 0 U; 0 Other;

Query Match 12.3%; Score 9; DB 1; Length 10;
 Best Local Similarity 100.0%; Pred. No. 1.3e+03;
 Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 912 CTTTGGTCT 920
 Db 9 CTTTGGTCT 1
 |||||

RESULT 2561
 ABK23610/c
 ID ABK23610 standard; DNA; 10 BP.

XX AC ABK23610;

XX DT 09-APR-2002 (first entry)

XX DE Transcript tag DNA sequence #199 induced or suppressed by N-myc.

XX KW Myc-dependent downstream gene; neoplastic; cancer; growth; invasion;
 KW spread; myc target; myc tag; SAGE; serial analysis of gene expression;
 KW myc oncogene; N-myc; human neuroblastoma; cytostatic; ds.

XX OS Homo sapiens;

XX PN WO200185941-A2.

XX PD 15-NOV-2001.

XX PF 11-MAY-2001; 2001WO-NL000361.

XX PR 11-MAY-2000; 2000EP-00201698.

XX PR 29-JUN-2000; 2000EP-00202284.

XX PA (UYAM-) UNIV AMSTERDAM ACAD ZIEKENHUIS BIJ VAN.

XX PI Versteeg R, Caron HN;

XX DR WPI; 2002-066603/09.

XX A new nucleic acid library of myc-dependent downstream genes capable of
 PT supporting a neoplastic characteristic of cancer is useful to find new
 PT therapies and diagnoses for cancer.

XX PS Disclosure; Page 54; 69pp; English.

XX The present invention relates to a nucleic acid library comprising myc-
 CC dependent downstream genes or their functional fragments essentially
 CC capable of supporting a neoplastic character of cancer such as growth,
 CC invasion or spread. These myc target or tag sequences are identified by
 CC SAGE (serial analysis of gene expression). The library is useful to find
 CC new diagnoses and treatments for cancer. The invention is also useful to
 CC enhance production of recombinant proteins in a production system with
 CC high expression of endogenous or transfected myc oncogenes. ABK23412-
 CC ABK23828 represent transcript tag DNA sequences that are activated or
 CC repressed by N-myc in human neuroblastoma

XX Sequence 10 BP; 6 A; 0 C; 2 G; 2 T; 0 U; 0 Other;

Query Match 12.3%; Score 9; DB 1; Length 10;
 Best Local Similarity 100.0%; Pred. No. 1.3e+03;
 Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 906 CATTTCCTT 914
 Db 10 CATTTCCTT 2
 |||||

RESULT 2562

ID ABK54472 standard; DNA; 10 BP.

XX AC ABK54472;

XX DT

05-JUN-2002 (first entry)

DE Primer-extension oligonucleotide #6 to detect human BMPR2 polymorphisms.

XX Human; single nucleotide polymorphism; SNP; BMPR2; chromosome 2q33-q34;
 KW bone morphogenetic protein receptor type II; serine/threonine kinase;
 KW haplotyping; genotyping; gene; primary pulmonary hypertension; PPH;
 KW bone disorder; primer; ss.

XX OS Homo sapiens.

XX PN WO200216398-A2.

XX PD 28-FEB-2002.

XX PF 27-AUG-2001; 2001WO-US026641.

XX PR 25-AUG-2000; 2000US-0228272P.

XX (GENA-) GENAISANCE PHARM INC.
 PA (LANZ/) LANZ E M.

XX PI Chew A, Kliehm SE, Messer C, Sanchis A;

XX DR WPI; 2002-280906/32.

XX Novel isolated polynucleotide which is a polymorphic variant of bone
 PT morphogenetic protein receptor, type II (serine/threonine kinase) (BMPR2)
 PT gene useful for expressing BMPR2 protein isoform used in drug screening.

XX Claim 18; Page 15; 98pp; English.

XX The present invention relates to novel single nucleotide polymorphisms
 CC (SNPs) in the human bone morphogenetic protein receptor type II
 CC (serine/threonine kinase) (BMPR2) gene located on chromosome 2q33-q34,
 CC and methods for haplotyping and/or genotyping the BMPR2 gene. The methods
 CC of the invention make use of allele-specific oligonucleotides (ASOs) as
 CC probes and primers, and/or primer-extension oligonucleotides for
 CC detecting the BMPR2 gene polymorphisms. The polynucleotides and screened
 CC compounds are useful for the treatment of diseases associated with BMPR2
 CC activity, such as primary pulmonary hypertension (PPH) and bone
 CC disorders. ABK54467-ABK54482 represent primer-extension oligonucleotides
 CC for detecting human BMPR2 gene polymorphisms

XX Sequence 10 BP; 3 A; 0 C; 3 G; 4 T; 0 U; 0 Other;

Query Match 12.3%; Score 9; DB 1; Length 10;
 Best Local Similarity 100.0%; Pred. No. 1.3e+03;
 Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 946 GCTTTAATG 954
 Db 1 GCTTTAATG 9
 |||||

RESULT 2563

AAK98587

ID AAK98587 standard; DNA; 10 BP.

XX AC AAK98587;

XX DT 16-APR-2002 (first entry)

XX Human enolase 3 gene allele specific primer SEQ ID NO: 58.

XX Human; enolase 3 (beta, muscle); ENO3; single nucleotide polymorphism;
 KW SNP; haplotype analysis; isogene; primer; ss.

XX OS Homo sapiens.

XX PN WO200202579-A2.

PD 10-JAN-2002.
 XX
 PF 02-JUL-2001; 2001WO-US020952.
 XX
 PR 30-JUN-2000; 2000US-0215236P.
 XX
 PA (GENA-) GENAISSANCE PHARM INC.
 XX
 PI Duda A, Finkel K, Koshy B, Parks KE;
 XX
 XX WPI; 2002-154721/20.
 XX
 PT Novel genetic variants of enolase 3, (beta, muscle) gene useful in
 PT studying expression and function of the protein, and for screening drugs
 PT to treat disorders of glycolytic pathway.
 XX
 PS Claim 18; Page 14; 90pp; English.
 XX
 CC The present invention provides the protein, cDNA and genomic sequences of
 CC a human enolase 3 (beta, muscle) isogene containing a number of single
 CC nucleotide polymorphisms (SNPs). The sequences can be used to identify
 CC the haplotype of an individual and identify whether particular haplotypes
 CC are linked to certain diseases. The present sequence is a primer for the
 CC ENO3 gene described in the exemplification of the invention
 XX
 XX Sequence 10 BP; 0 A; 3 C; 1 G; 6 T; 0 U; 0 Other;
 Query Match 12.3%; Score 9; DB 1; Length 10;
 Best Local Similarity 100.0%; Pred. No. 1.3e+03;
 Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
 QY 921 TTGCTTTT 929
 DB 2 TTGCTTTT 10
 RESULT 2564
 ADC1774/C
 ID ADC1774 standard; DNA; 10 BP.
 XX
 AC ADC1774;
 XX
 DT 18-DEC-2003 (first entry)
 XX
 DE Monobactam related tethered diene SEQ ID NO:24.
 XX
 KW ss; monobactam; antibacterial; PBP2a; inhibitor;
 KW methicillin resistant Staphylococcus aureus; MRSA; lactam antibiotic.
 XX
 OS Synthetic.
 XX
 PN WO2003051314-A2.
 XX
 PD 26-JUN-2003.
 XX
 PF 18-DEC-2002; 2002WO-US040739.
 XX
 PR 18-DEC-2001; 2001US-0340255P.
 XX
 PA (INVE-) INVENUX INC.
 XX
 PI Eaton B, Tarasow T, Nieuwlandt D, Dewey T;
 XX
 DR WPI; 2003-618003/58.
 XX
 XX New monobactam compounds used as antibacterial agents against e.g.
 PT methicillin resistant Staphylococcus aureus.
 XX
 PS Example 6; SEQ ID NO 24; 64pp; English.
 XX
 CC The invention relates to novel monobactam compounds. A compound of the
 CC invention has antibacterial activity, and acts as a PBP2a inhibitor. The
 CC compounds are used as antibacterial agents. The monobactam compounds

CC restore sensitivity of methicillin resistant Staphylococcus aureus to
 CC lactam antibiotic by targeting the molecular mechanism of resistance. The
 CC present sequence is used in the exemplification of the invention.
 XX
 SQ Sequence 10 BP; 3 A; 0 C; 7 G; 0 T; 0 U; 0 Other;
 Query Match 12.3%; Score 9; DB 1; Length 10;
 Best Local Similarity 100.0%; Pred. No. 1.3e+03;
 Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
 QY 931 TCCTCTCTC 939
 DB 9 TCCTCTCTC 1
 RESULT 2565
 ADE13989/C
 ID ADE13989 standard; DNA; 10 BP.
 XX
 AC ADE13989;
 XX
 DT 29-JAN-2004 (first entry)
 XX
 DE Optineurin promoter motif, repeat element or regulatory region #98.
 XX
 KW Human; optineurin; ds; ophthalmological; single nucleotide polymorphism;
 KW SNP; glaucoma; progressive ocular hypertensive disorder;
 KW glaucoma related disorder; motif; repeat element; regulatory region.
 XX
 OS Homo sapiens.
 XX
 PN US2003190617-A1.
 XX
 PD 09-OCT-2003.
 XX
 PF 06-MAR-2002; 2002US-00091281.
 XX
 PR 06-MAR-2002; 2002US-00091281.
 XX
 PA (SIEE/) SI E.
 PA (RAYM/) RAYMOND V.
 PA (MORI/) MORISSETTE J.
 XX
 PI Raymond V, Morissette J, Si E;
 XX
 DR WPI; 2003-864168/80.
 XX
 XX New nucleic acid sequences of the optineurin gene are useful to detect
 PT polymorphisms particularly single nucleotide polymorphisms in the
 PT optineurin promoter to diagnose, prognose and treat glaucoma and related
 PT disorders.
 XX
 PS Claim 11; SEQ ID NO 100; 159pp; English.
 XX
 CC The invention relates to an isolated nucleic acid (N1) comprising at
 CC least 20 but not more than 1500 consecutive nucleotides of the optineurin
 CC promoter appearing as ADE13890. Also included are the optineurin promoter
 CC operably linked to a heterologous nucleic acid, a nucleic acid capable of
 CC detecting a single nucleotide polymorphism (SNP) in the optineurin
 CC promoter, a host cell comprising the promoter operably linked to a
 CC heterologous sequence, diagnosing or prognosing glaucoma in a sample
 CC obtained from a cell or bodily fluid (comprising detecting a polymorphism
 CC in a promoter region of the optineurin gene, associated with a glaucoma
 CC phenotype), detecting a SNP sequence variation in a sample containing
 CC DNA, detecting the presence of an optineurin promoter sequence variation
 CC in a sample containing DNA, determining the presence or increased
 CC susceptibility to glaucoma or to a progressive ocular hypertensive
 CC disorder resulting in loss of visual field in a patient (or the severity
 CC or progression of glaucoma in a patient, comprising providing
 CC amplification reaction primers that direct amplification of a selected
 CC nucleic acid region containing the variation within the optineurin
 CC promoter and amplifying the DNA) and detecting a polymorphism (comprising
 CC obtaining a sample containing human genomic DNA, providing a nucleic acid

CC capable of detecting a SNP located within an optineurin promoter, and
 CC detecting the polymorphism). The invention is used to diagnose and
 CC prognose glaucoma and also to treat glaucoma related disorders. The
 CC present sequence is an optineurin promoter motif, repeat element or
 CC putative regulatory region.

SQ Sequence 10 BP; 5 A; 1 C; 0 G; 4 T; 0 U; 0 Other;

Query Match 12.3%; Score 9; DB 1; Length 10;
 Best Local Similarity 100.0%; Pred.No. 1.3e+03;
 Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 948 TTTAATGTA 956
 |||||
 Db 9 TTTAATGTA 1

RESULT 2566
 AAQ64023/c
 ID AAQ64023 standard; DNA; 11 BP.

XX AC AAQ64023;

XX DT 27-AUG-2003 (revised)
 XX DT 22-JUL-1994 (first entry)

XX DE 16S rRNA gene fragment.

XX KW 16S rRNA; probe; detection; porcine atrophic rhinitis; hybridisation;
 KW Bordetella bronchiseptica; pig raising; ss.

XX OS Bordetella bronchiseptica.

XX PN JP05336999-A.

XX PD 21-DEC-1993.

XX PF 10-JUN-1992; 92JP-00150688.

XX PR 10-JUN-1992; 92JP-00150688.

XX PA (NISE-) NIHON SEIFUN KK.

XX PA (ZENK-) ZENKOKU NOGIO KD RENGOKAI.

XX DR WPI; 1994-037379/05.

XX PT B.bronchiseptica 16S rRNA fragments - used as probes in the detection of
 PT porcine atrophic rhinitis.

XX PS Claim 1; Page 10; 12pp; Japanese.

XX CC DNA sequences (AAQ64009-Q64031) are fragments of the 16S rRNA gene from
 CC B. bronchiseptica (AAQ55187). The fragments are used as probes to detect
 CC porcine atrophic rhinitis caused by the Bordetella bronchiseptica
 CC bacterium. Also claimed are 3 DNA fragments complementary to the 436-466
 CC region of the 16S rRNA (AAQ64032-034). A specific DNA sequence from the S1
 CC rRNA was selected and 2 probes were designed (AAQ64035 and AAQ64039) for
 CC the detection of B.bronchiseptica. Primers (AAQ64036-37) were used to
 CC clone the 16S gene. Sequences (AAQ64034) is the preferred probe used in
 CC the detection process. (Updated on 27-AUG-2003 to correct OS field.)

SQ Sequence 11 BP; 2 A; 2 C; 4 G; 3 T; 0 U; 0 Other;

Query Match 12.3%; Score 9; DB 1; Length 11;
 Best Local Similarity 100.0%; Pred.No. 1.4e+03;
 Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 958 CGCTACCAA 966
 |||||
 Db 9 CGCTACCAA 1

RESULT 2567

AAQ57283/c
 ID AAQ57283 standard; mRNA; 11 BP.

XX AC AAQ57283;

XX DT 25-MAR-2003 (revised)

XX DT 26-JUL-1994 (first entry)

XX DE Enzymatic RNA molecule c-myc mRNA target sequence.

XX KW Specific; cleavage; target RNA; protein; prophylaxis; expression;
 KW inhibitor; inhibition; ribozyme; treatment; prevention; psoriasis;
 KW asthma; inflammatory diseases; restenosis; cardiovascular condition;
 KW hypertension; arthritis; ss.

XX CS Synthetic.

XX PN MO9402595-A1.

XX PD 03-FEB-1994.

XX PF 02-JUL-1993; 93WO-US006316.

XX PR 17-JUL-1992; 92US-00916763.

XX PR 07-DEC-1992; 92US-00987132.

XX PR 07-DEC-1992; 92US-00989848.

XX PR 07-DEC-1992; 92US-00989849.

XX PR 19-JAN-1993; 93US-00008895.

XX PA (RIBO-) RIBOZYME PHARM INC.

XX PI Sullivan SM, Draper KG;

XX DR WPI; 1994-048853/06.

XX PT Enzymatic RNA molecules which cleave mRNA - used to treat or prevent
 PT inflammatory, arthritic, stenotic or cardiovascular diseases or
 PT conditions.

XX PS Claim 3; Page 20; 65pp; English.

XX CC This is a c-myc mRNA target sequence (nucleotide no. 1660) of an
 CC enzymatic RNA molecule (ribozyme) which cleaves mRNA associated with the
 CC development or maintenance of a restenotic condition. The concn. of the
 CC ribozyme necessary to effect a therapeutic treatment is lower than that
 CC of an antisense oligonucleotide and the specificity of action is higher.
 CC (Updated on 25-MAR-2003 to correct PN field.)

XX SQ Sequence 11 BP; 7 A; 0 C; 3 G; 1 T; 0 U; 0 Other;

Query Match 12.3%; Score 9; DB 1; Length 11;
 Best Local Similarity 100.0%; Pred.No. 1.4e+03;
 Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 906 CATTTCCTT 914

Db 9 CATTTCCTT 1

RESULT 2568

AAZ18912

ID AAZ18912 standard; DNA; 11 BP.

XX AC AAZ18912;

XX DT 22-OCT-1999 (first entry)

XX DE Murine MRL SAGE tag 4062905.

XX KW Wound healing; non-MEL healer mouse; quantitative trait locus; QTL;
 KW healing response; microsatellite marker; treatment; central nerve;
 KW peripheral nerve; nerve injury; SAGE tag; murine; ss.


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PT 29-OCT-1992; 92US-00968436.
XX (PROF-) PROFILE DIAGNOSTIC SCI INC.
XX Hepburn AG, Wang C;
XX WPI; 1999-130384/11.
XX Assay of genetic sequences based on triplex formation from double
PT stranded analyte - and hybrid of anchor and reporter sequences, with
PT reporter released if triplex formation occurs, used e.g. to identify
PT bacteria.
XX Disclosure; Col 19-20; 168pp; English.
XX The present sequence represents a polynucleotide that is able to form a
CC triple helix with a double stranded sequence. Cytosine bases in the
CC present can be replaced with 5-methylcytosine for increased triplex
CC stability. The present sequence is used in the assay of the invention,
CC where it can be part of the anchor DNA or reporter DNA sequence. The
CC assay comprises adding a sample containing double-stranded DNA test
CC sequences to an aqueous medium containing at least one complex of anchor
CC DNA, attached to a solid support, and reporter DNA, where either a part
CC of the anchor DNA or reporter DNA is designed to form a triple-strand
CC structure with part of the test sequence. Triplex formation results in
CC displacement of the reporter DNA which is detected as an indication of
CC the presence of the DNA test sequence. The method is used to detect DNA
CC sequences, particularly for identification of bacteria (by detecting
CC genes for ribosomal RNA) in clinical samples, but also detection of
CC oncogenes and Hepatitis B virus
XX
SQ Sequence 11 BP; 0 A; 8 C; 0 G; 3 T; 0 U; 0 Other;
Query Match 12.3%; Score 9; DB 1; Length 11;
Best Local Similarity 100.0%; Pred. No. 1.4e+03;
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 932 CCCTCTCTCT 940
DB 3 CCCTCTCTCT 11

RESULT 2572
AAX14773
ID AAX14773 standard; DNA; 11 BP.
XX
AC AAX14773;
XX
DT 24-MAR-1999 (first entry)
XX
DE Triple helix third strand of Hepatitis B virus nucleotides 1614-1624.
XX
KW Triplex formation; DNA detection; triple helix; identification; bacteria;
XX oncogene; virus; ss.
XX Synthetic.
XX OS Homo sapiens.
XX
XX US5861244-A.
XX
XX 19-JAN-1999.
XX
XX 22-DEC-1993; 93US-00173489.
XX
XX 29-OCT-1992; 92US-00968436.
XX
XX (PROF-) PROFILE DIAGNOSTIC SCI INC.
XX Hepburn AG, Wang C;
XX WPI; 1999-130384/11.
XX
XX Assay of genetic sequences based on triplex formation from double
PT stranded analyte - and hybrid of anchor and reporter sequences, with
PT reporter released if triplex formation occurs, used e.g. to identify
PT bacteria.
XX Disclosure; Col 17-18; 168pp; English.
XX The present sequence represents a polynucleotide that is able to form a
CC triple helix with a double stranded sequence. Cytosine bases in the
CC present can be replaced with 5-methylcytosine for increased triplex
CC stability. The present sequence is used in the assay of the invention,
CC where it can be part of the anchor DNA or reporter DNA sequence. The
CC assay comprises adding a sample containing double-stranded DNA test
CC sequences to an aqueous medium containing at least one complex of anchor
CC DNA, attached to a solid support, and reporter DNA, where either a part
CC of the anchor DNA or reporter DNA is designed to form a triple-strand
CC structure with part of the test sequence. Triplex formation results in
CC displacement of the reporter DNA which is detected as an indication of
CC the presence of the DNA test sequence. The method is used to detect DNA
CC sequences, particularly for identification of bacteria (by detecting
CC genes for ribosomal RNA) in clinical samples, but also detection of
CC oncogenes and Hepatitis B virus
XX
SQ Sequence 11 BP; 0 A; 8 C; 0 G; 3 T; 0 U; 0 Other;
Query Match 12.3%; Score 9; DB 1; Length 11;
Best Local Similarity 100.0%; Pred. No. 1.4e+03;
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 932 CCCTCTCTCT 940
DB 3 CCCTCTCTCT 11

RESULT 2571
AAX14773
ID AAX14773 standard; DNA; 11 BP.
XX
AC AAX14773;
XX
DT 24-MAR-1999 (first entry)
XX
DE Triple helix third strand of Hepatitis B virus nucleotides 1433-1443.
XX
KW Triplex formation; DNA detection; triple helix; identification; bacteria;
XX oncogene; virus; ss.
XX Hepatitis B virus.
XX OS
XX US5861244-A.
XX
XX 19-JAN-1999.
XX
XX 22-DEC-1993; 93US-00173489.
XX
XX 29-OCT-1992; 92US-00968436.
XX
XX (PROF-) PROFILE DIAGNOSTIC SCI INC.
XX Hepburn AG, Wang C;
XX WPI; 1999-130384/11.
XX
XX Assay of genetic sequences based on triplex formation from double
PT stranded analyte - and hybrid of anchor and reporter sequences, with
PT reporter released if triplex formation occurs, used e.g. to identify
PT bacteria.

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CC where it can be part of the anchor DNA or reporter DNA sequence. The
CC assay comprises adding a sample containing double-stranded DNA test
CC sequences to an aqueous medium containing at least one complex of anchor
CC DNA, attached to a solid support, and reporter DNA, where either a part
CC of the anchor DNA or reporter DNA is designed to form a triple-strand
CC structure with part of the test sequence. Triplex formation results in
CC displacement of the reporter DNA which is detected as an indication of
CC the presence of the DNA test sequence. The method is used to detect DNA
CC sequences, particularly for identification of bacteria (by detecting
CC genes for ribosomal RNA) in clinical samples, but also detection of
CC oncogenes and Hepatitis B virus
XX
SQ Sequence 11 BP; 0 A; 8 C; 0 G; 3 T; 0 U; 0 Other;

Query Match 12.3%; Score 9; DB 1; Length 11;
Best Local Similarity 100.0%; Pred. No. 1.4e+03;
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 932 CCTCTCTCT 940
DB 3 CCTCTCTCT 11

RESULT 2573
ABQ86582/c
ID ABQ86582 standard; cDNA; 11 BP.
AC ABQ86582;
XX
DT 10-SEP-2002 (first entry)
XX Human skin stress/ageing related EST SEQ ID NO 337.
DE Human; skin ageing; skin stress; EST; expressed sequence tag; ss.
KW Homo sapiens.
OS
XX WO200253773-A2.
XX
XX 11-JUL-2002.
XX
XX 20-DEC-2001; 2001WO-EP015178.
XX
XX 03-JAN-2001; 2001DE-01000121.
XX (HENK) HENKEL KGAA.
XX Petersohn D, Conradt M, Hofmann K;
XX WPI; 2002-528865/56.
XX
XX Identifying genes involved in skin stress and aging, useful e.g. in
XX screening for cosmetic or therapeutic agents, based on differential gene
XX expression.
XX Claim 8; Page 50; 325pp; German.
XX The invention relates to identifying (M1) genes in vitro that, in humans
XX or animals, are important for skin ageing and/or skin stress by serial
XX analysis of gene expression between mixtures of transcribed and
XX optionally translated, genetically encoded factors (A) obtained from
XX young and aged skin, to identify that genes that show strong differential
XX expression. (A) comprises protein or mRNAs or their fragments. (M1) is
XX useful for: identifying markers of skin ageing and/or stress; determining
XX skin ageing and/or stress; and identifying or determining the effects of
XX pharmaceutical or cosmetic agents for control of skin ageing. The present
XX sequence is one of a group of human skin ageing/stress related expressed
XX sequence tags (ABQ86246-ABQ87680) of the invention
XX
SQ Sequence 11 BP; 8 A; 1 C; 2 G; 0 T; 0 U; 0 Other;

Query Match 12.3%; Score 9; DB 1; Length 11;
Best Local Similarity 100.0%; Pred. No. 1.4e+03;
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 908 TTTTCTTTG 916
DB 10 TTTTCTTTG 2

RESULT 2574
ABQ87207/c
ID ABQ87207 standard; cDNA; 11 BP.
XX
XX ABQ87207;
XX
XX 10-SEP-2002 (first entry)
XX Human skin stress/ageing related EST SEQ ID NO 962.
DE Human; skin ageing; skin stress; EST; expressed sequence tag; ss.
KW Homo sapiens.
OS
XX WO200253773-A2.
XX
XX 11-JUL-2002.
XX
XX 20-DEC-2001; 2001WO-EP015178.
XX
XX 03-JAN-2001; 2001DE-01000121.
XX (HENK) HENKEL KGAA.
XX Petersohn D, Conradt M, Hofmann K;
XX WPI; 2002-528865/56.
XX
XX Identifying genes involved in skin stress and aging, useful e.g. in
XX screening for cosmetic or therapeutic agents, based on differential gene
XX expression.
XX Claim 8; Page 77; 325pp; German.
XX The invention relates to identifying (M1) genes in vitro that, in humans
XX or animals, are important for skin ageing and/or skin stress by serial
XX analysis of gene expression between mixtures of transcribed and
XX optionally translated, genetically encoded factors (A) obtained from
XX young and aged skin, to identify that genes that show strong differential
XX expression. (A) comprises protein or mRNAs or their fragments. (M1) is
XX useful for: identifying markers of skin ageing and/or stress; determining
XX skin ageing and/or stress; and identifying or determining the effects of
XX pharmaceutical or cosmetic agents for control of skin ageing. The present
XX sequence is one of a group of human skin ageing/stress related expressed
XX sequence tags (ABQ86246-ABQ87680) of the invention
XX
SQ Sequence 11 BP; 5 A; 2 C; 3 G; 1 T; 0 U; 0 Other;

Query Match 12.3%; Score 9; DB 1; Length 11;
Best Local Similarity 100.0%; Pred. No. 1.4e+03;
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 912 CTTTGGTCT 920
DB 9 CTTTGGTCT 1

RESULT 2575
ABV65978/c
ID ABV65978 standard; cDNA; 11 BP.
XX
XX ABV65978;
XX
XX 21-OCT-2002 (first entry)
XX
XX Human skin EST 3764.

XX KW Human; skin; dermatological; vulnary; antipsoriatic; antiseborrhaeic;
 XX KW immunosuppressive; antiinflammatory; cytostatic; SAGE; neurodermatitis;
 XX KW psoriasis; dermatitis; skin cancer; EST; expressed sequence tag; ss.
 XX OS Homo sapiens.
 XX PN WO200253774-A2.
 XX PD 11-JUL-2002.
 XX PF 20-DEC-2001; 2001WO-EP015179.
 XX PR 03-JAN-2001; 2001DE-01000127.
 XX PA (HENK) HENKEL KGAA.
 XX PI Petersohn D, Conradt M, Hofmann K;
 XX DR WPI; 2002-590638/63.
 XX PT In vitro identification of skin-expressed genes, useful for determining
 XX PT homeostasis and identifying cosmetic or pharmaceutical agents against
 XX PT e.g. skin cancer.
 XX PS Disclosure; Page 129; 1345pp; German.
 XX CC The invention relates to in vitro identification (M1) of genes expressed
 CC in the skin of humans or animals by subjecting a mixture of genetically
 CC encoded factors from skin, to serial analysis of gene expression (SAGE)
 CC so as to identify skin-expressed genes and quantify their expression.
 CC (M1) is useful for identifying genes involved in skin homeostasis; to
 CC determine skin homeostasis and to test agent (A) that maintains or
 CC promotes skin homeostasis or that can be used for treating skin
 CC disorders, specifically neurodermatitis; sunburn; psoriasis; scleroderma;
 CC ichthyosis; atopic dermatitis; acne; seborrhea; lupus erythematosus;
 CC rosacea; melanoma; basal cell carcinoma; and carcinoma or sarcoma of the
 CC skin. The present sequence is that of a human expressed sequence tag
 CC (EST) of the invention
 XX SQ Sequence 11 BP; 5 A; 2 C; 3 G; 1 T; 0 U; 0 Other;
 Query Match 12.3%; Score 9; DB 1; Length 11;
 Best Local Similarity 100.0%; Pred.No. 1.4e+03;
 Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
 QY 912 CTTGGTCT 920
 Db 9 CTTGGTCT 1
 RESULT 2576
 ABV71682/c
 ID ABV71682 standard; cDNA; 11 BP.
 AC ABV71682;
 XX DT 21-OCT-2002 (first entry)
 XX DE Human skin EST 9468.
 XX KW Human; skin; dermatological; vulnary; antipsoriatic; antiseborrhaeic;
 XX KW immunosuppressive; antiinflammatory; cytostatic; SAGE; neurodermatitis;
 XX KW psoriasis; dermatitis; skin cancer; EST; expressed sequence tag; ss.
 XX OS Homo sapiens.
 XX PN WO200253774-A2.
 XX PD 11-JUL-2002.
 XX PF 20-DEC-2001; 2001WO-EP015179.
 XX PR 03-JAN-2001; 2001DE-01000127.
 XX PA (HENK) HENKEL KGAA.
 XX PI Petersohn D, Conradt M, Hofmann K;
 XX DR WPI; 2002-590638/63.
 XX PT In vitro identification of skin-expressed genes, useful for determining
 XX PT homeostasis and identifying cosmetic or pharmaceutical agents against
 XX PT e.g. skin cancer.
 XX PS Disclosure; Page 72; 1345pp; German.

PR 03-JAN-2001; 2001DE-01000127.
 XX (HENK) HENKEL KGAA.
 XX PI Petersohn D, Conradt M, Hofmann K;
 XX DR WPI; 2002-590638/63.
 XX PT In vitro identification of skin-expressed genes, useful for determining
 XX PT homeostasis and identifying cosmetic or pharmaceutical agents against
 XX PT e.g. skin cancer.
 XX PS Claim 24; Page 305; 1345pp; German.
 XX CC The invention relates to in vitro identification (M1) of genes expressed
 CC in the skin of humans or animals by subjecting a mixture of genetically
 CC encoded factors from skin, to serial analysis of gene expression (SAGE)
 CC so as to identify skin-expressed genes and quantify their expression.
 CC (M1) is useful for identifying genes involved in skin homeostasis; to
 CC determine skin homeostasis and to test agent (A) that maintains or
 CC promotes skin homeostasis or that can be used for treating skin
 CC disorders, specifically neurodermatitis; sunburn; psoriasis; scleroderma;
 CC ichthyosis; atopic dermatitis; acne; seborrhea; lupus erythematosus;
 CC rosacea; melanoma; basal cell carcinoma; and carcinoma or sarcoma of the
 CC skin. The present sequence is that of a human expressed sequence tag
 CC (EST) of the invention
 XX SQ Sequence 11 BP; 2 A; 3 C; 4 G; 2 T; 0 U; 0 Other;
 Query Match 12.3%; Score 9; DB 1; Length 11;
 Best Local Similarity 100.0%; Pred.No. 1.4e+03;
 Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
 QY 899 CCCTGGTCA 907
 Db 9 CCCTGGTCA 1
 RESULT 2577
 ABV63951
 ID ABV63951 standard; cDNA; 11 BP.
 AC ABV63951;
 XX DT 21-OCT-2002 (first entry)
 XX DE Human skin EST 1737.
 XX KW Human; skin; dermatological; vulnary; antipsoriatic; antiseborrhaeic;
 XX KW immunosuppressive; antiinflammatory; cytostatic; SAGE; neurodermatitis;
 XX KW psoriasis; dermatitis; skin cancer; EST; expressed sequence tag; ss.
 XX OS Homo sapiens.
 XX PN WO200253774-A2.
 XX PD 11-JUL-2002.
 XX PF 20-DEC-2001; 2001WO-EP015179.
 XX PR 03-JAN-2001; 2001DE-01000127.
 XX PA (HENK) HENKEL KGAA.
 XX PI Petersohn D, Conradt M, Hofmann K;
 XX DR WPI; 2002-590638/63.
 XX PT In vitro identification of skin-expressed genes, useful for determining
 XX PT homeostasis and identifying cosmetic or pharmaceutical agents against
 XX PT e.g. skin cancer.
 XX PS Disclosure; Page 72; 1345pp; German.

XX The invention relates to in vitro identification (M1) of genes expressed
CC in the skin of humans or animals by subjecting a mixture of genetically
CC encoded factors from skin, to serial analysis of gene expression (SAGE)
CC so as to identify skin-expressed genes and quantify their expression.
CC (M1) is useful for identifying genes involved in skin homeostasis; to
CC determine skin homeostasis and to test agent (A) that maintains or
CC promotes skin homeostasis or that can be used for treating skin
CC disorders, specifically neurodermatitis; sunburn; psoriasis; scleroderma;
CC ichthyosis; atopic dermatitis; acne; seborrhea; lupus erythematosus;
CC rosacea; melanoma; basal cell carcinoma; and carcinoma or sarcoma of the
CC skin. The present sequence is that of a human expressed sequence tag
CC (EST) of the invention
XX
SQ Sequence 11 BP; 0 A; 2 C; 4 G; 5 T; 0 U; 0 Other;

Query Match 12.3%; Score 9; DB 1; Length 11;
Best Local Similarity 100.0%; Pred. No. 1.4e+03;
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 912 CTTGGTCT 920
Db 3 CTTGGTCT 11
|||||||

RESULT 2578
ABV65564/c
ID ABV65564 standard; cDNA; 11 BP.
XX
AC ABV65564;
XX
DT 21-OCT-2002 (first entry)
DE Human skin EST 3350.
XX
KW Human; skin; dermatological; vulnary; antipsoriatic; antiseborrhaic;
KW immunosuppressive; antiinflammatory; cytostatic; SAGE; neurodermatitis;
KW psoriasis; dermatitis; skin cancer; EST; expressed sequence tag; ss.
XX
OS Homo sapiens.
XX
PN WO200253774-A2.
XX
PD 11-JUL-2002.
XX
PF 20-DEC-2001; 2001WO-EP015179.
XX
PR 03-JAN-2001; 2001DE-01000127.
XX
PA (HENK) HENKEL KGAA.
XX
PI Petersohn D, Conradt M, Hofmann K;
XX
DR WPI; 2002-590638/63.
XX
PT In vitro identification of skin-expressed genes, useful for determining
PT homeostasis and identifying cosmetic or pharmaceutical agents against
PT e.g. skin cancer.
XX
PS Disclosure; Page 118; 1345pp; German.
XX
CC The invention relates to in vitro identification (M1) of genes expressed
CC in the skin of humans or animals by subjecting a mixture of genetically
CC encoded factors from skin, to serial analysis of gene expression (SAGE)
CC so as to identify skin-expressed genes and quantify their expression.
CC (M1) is useful for identifying genes involved in skin homeostasis; to
CC determine skin homeostasis and to test agent (A) that maintains or
CC promotes skin homeostasis or that can be used for treating skin
CC disorders, specifically neurodermatitis; sunburn; psoriasis; scleroderma;
CC ichthyosis; atopic dermatitis; acne; seborrhea; lupus erythematosus;
CC rosacea; melanoma; basal cell carcinoma; and carcinoma or sarcoma of the
CC skin. The present sequence is that of a human expressed sequence tag
CC (EST) of the invention

XX
SQ Sequence 11 BP; 5 A; 2 C; 2 G; 2 T; 0 U; 0 Other;

Query Match 12.3%; Score 9; DB 1; Length 11;
Best Local Similarity 100.0%; Pred. No. 1.4e+03;
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 945 TGGTTTAAAT 953
Db 10 TGGTTTAAAT 2
|||||||

RESULT 2579
ABV70743/c
ID ABV70743 standard; cDNA; 11 BP.
XX
AC ABV70743;
XX
DT 21-OCT-2002 (first entry)
DE Human skin EST 8529.
XX
KW Human; skin; dermatological; vulnary; antipsoriatic; antiseborrhaic;
KW immunosuppressive; antiinflammatory; cytostatic; SAGE; neurodermatitis;
KW psoriasis; dermatitis; skin cancer; EST; expressed sequence tag; ss.
XX
OS Homo sapiens.
XX
PN WO200253774-A2.
XX
PD 11-JUL-2002.
XX
PF 20-DEC-2001; 2001WO-EP015179.
XX
PR 03-JAN-2001; 2001DE-01000127.
XX
PA (HENK) HENKEL KGAA.
XX
PI Petersohn D, Conradt M, Hofmann K;
XX
DR WPI; 2002-590638/63.
XX
PT In vitro identification of skin-expressed genes, useful for determining
PT homeostasis and identifying cosmetic or pharmaceutical agents against
PT e.g. skin cancer.
XX
PS Claim 24; Page 273; 1345pp; German.
XX
CC The invention relates to in vitro identification (M1) of genes expressed
CC in the skin of humans or animals by subjecting a mixture of genetically
CC encoded factors from skin, to serial analysis of gene expression (SAGE)
CC so as to identify skin-expressed genes and quantify their expression.
CC (M1) is useful for identifying genes involved in skin homeostasis; to
CC determine skin homeostasis and to test agent (A) that maintains or
CC promotes skin homeostasis or that can be used for treating skin
CC disorders, specifically neurodermatitis; sunburn; psoriasis; scleroderma;
CC ichthyosis; atopic dermatitis; acne; seborrhea; lupus erythematosus;
CC rosacea; melanoma; basal cell carcinoma; and carcinoma or sarcoma of the
CC skin. The present sequence is that of a human expressed sequence tag
CC (EST) of the invention
XX
SQ Sequence 11 BP; 5 A; 2 C; 1 G; 3 T; 0 U; 0 Other;

Query Match 12.3%; Score 9; DB 1; Length 11;
Best Local Similarity 100.0%; Pred. No. 1.4e+03;
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 947 GTTTAATGT 955
Db 11 GTTTAATGT 3
|||||||

RESULT 2580

(M1) is useful for identifying genes involved in skin homeostasis; to determine skin homeostasis and to test agent (A) that maintains or promotes skin homeostasis or that can be used for treating skin disorders, specifically neurodermatitis; sunburn; psoriasis; scleroderma; ichthyosis; atopic dermatitis; acne; seborrhea; lupus erythematosus; rosacea; melanoma; basal cell carcinoma; and carcinoma or sarcoma of the skin. The present sequence is that of a human expressed sequence tag (EST) of the invention

Sequence 11 BP; 0 A; 2 C; 4 G; 5 T; 0 U; 0 Other;

Query Match 12.3%; Score 9; DB 1; Length 11;
Best Local Similarity 100.0%; Pred.No. 1.4e+03;
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 912 CTTTGCTCT 920
|||
DB 3 CTTTGCTCT 11

RESULT 2584
ABV70941/C

ID ID ABV70941 standard; cDNA; 11 BP.
XX AC
XX AC
XX 21-OCT-2002 (first entry)
XX Human skin EST 8727.
XX
XX Human; skin; dermatological; vulnery; antipsoriatic; antiseborrheic; immunosuppressive; antiinflammatory; cytostatic; SAGE; neurodermatitis; psoriasis; dermatitis; skin cancer; EST; expressed sequence tag; ss.
XX Homo sapiens.
XX
XX WO200253774-A2.
XX
XX 11-JUL-2002.
XX
XX 20-DEC-2001; 2001WO-EP015179.
XX
XX 03-JAN-2001; 2001DE-01000127.
XX
XX (HENK) HENKEL KGAA.
XX
XX Petersohn D, Conradt M, Hofmann K;
XX
XX WPI; 2002-590638/63.
XX
XX In vitro identification of skin-expressed genes, useful for determining homeostasis and identifying cosmetic or pharmaceutical agents against e.g. skin cancer.
XX
XX Claim 24; Page 280; 1345pp; German.
XX
XX The invention relates to in vitro identification (M1) of genes expressed in the skin of humans or animals by subjecting a mixture of genetically encoded factors from skin, to serial analysis of gene expression (SAGE) so as to identify skin-expressed genes and quantify their expression.
XX
XX (M1) is useful for identifying genes involved in skin homeostasis; to determine skin homeostasis and to test agent (A) that maintains or promotes skin homeostasis or that can be used for treating skin disorders, specifically neurodermatitis; sunburn; psoriasis; scleroderma; ichthyosis; atopic dermatitis; acne; seborrhea; lupus erythematosus; rosacea; melanoma; basal cell carcinoma; and carcinoma or sarcoma of the skin. The present sequence is that of a human expressed sequence tag (EST) of the invention

Sequence 11 BP; 4 A; 2 C; 5 G; 0 T; 0 U; 0 Other;

Query Match 12.3%; Score 9; DB 1; Length 11;
Best Local Similarity 100.0%; Pred.No. 1.4e+03;

Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 933 CCTCCTCTT 941
 Db 9 CCTCCTCTT 1

RESULT 2585
 ABV63322/c
 ID ABV63322 standard; cDNA; 11 BP.
 XX AC ABV63322;
 XX DT 21-OCT-2002 (first entry)
 XX DE Human skin EST 1108.
 XX KW Human; skin; dermatological; vulnery; antipsoriatic; antiseborrhaeic;
 KW immunosuppressive; antiinflammatory; cytostatic; SAGE; neurodermatitis;
 KW psoriasis; dermatitis; skin cancer; EST; expressed sequence tag; ss.
 XX OS Homo sapiens.
 XX PN WO200253774-A2.
 XX PD 11-JUL-2002.
 XX PF 20-DEC-2001; 2001WO-EP015179.
 XX PR 03-JAN-2001; 2001DE-01000127.
 XX PA (HENK) HENKEL KGAA.
 XX PI Petersohn D, Conradt M, Hofmann K;
 XX PS WPI; 2002-590638/63.
 XX PT In vitro identification of skin-expressed genes, useful for determining
 PT homeostasis and identifying cosmetic or pharmaceutical agents against
 PT e.g. skin cancer.
 XX SQ Disclosure; Page 55; 1345pp; German.

The invention relates to in vitro identification (M1) of genes expressed
 in the skin of humans or animals by subjecting a mixture of genetically
 encoded factors from skin, to serial analysis of gene expression (SAGE).
 CC so as to identify skin-expressed genes and quantify their expression.
 CC (M1) is useful for identifying genes involved in skin homeostasis; to
 CC determine skin homeostasis and to test agent (A) that maintains or
 CC promotes skin homeostasis or that can be used for treating skin
 CC disorders, specifically neurodermatitis; sunburn; psoriasis; scleroderma;
 CC ichthyosis; atopic dermatitis; acne; seborrhea; lupus erythematosus;
 CC rosacea; melanoma; basal cell carcinoma; and carcinoma or sarcoma of the
 CC skin. The present sequence is that of a human expressed sequence tag
 CC (EST) of the invention

QY 947 GTTTAATGCT 955
 Db 11 GTTTAATGCT 3

RESULT 2586
 ABV63520/c
 ID ABV63520 standard; cDNA; 11 BP.
 XX AC ABV63520;
 XX DT 21-OCT-2002 (first entry)
 XX DE Human skin EST 1690.
 XX KW Human; skin; dermatological; vulnery; antipsoriatic; antiseborrhaeic;
 KW immunosuppressive; antiinflammatory; cytostatic; SAGE; neurodermatitis;
 KW psoriasis; dermatitis; skin cancer; EST; expressed sequence tag; ss.
 XX OS Homo sapiens.
 XX PN WO200253774-A2.
 XX PD 11-JUL-2002.

DT 21-OCT-2002 (first entry)
 XX Human skin EST 1306.
 XX KW Human; skin; dermatological; vulnery; antipsoriatic; antiseborrhaeic;
 KW immunosuppressive; antiinflammatory; cytostatic; SAGE; neurodermatitis;
 KW psoriasis; dermatitis; skin cancer; EST; expressed sequence tag; ss.
 XX OS Homo sapiens.
 XX PN WO200253774-A2.
 XX PD 11-JUL-2002.
 XX PF 20-DEC-2001; 2001WO-EP015179.
 XX PR 03-JAN-2001; 2001DE-01000127.
 XX PA (HENK) HENKEL KGAA.
 XX PI Petersohn D, Conradt M, Hofmann K;
 XX PS WPI; 2002-590638/63.
 XX PT In vitro identification of skin-expressed genes, useful for determining
 PT homeostasis and identifying cosmetic or pharmaceutical agents against
 PT e.g. skin cancer.
 XX SQ Disclosure; Page 61; 1345pp; German.

The invention relates to in vitro identification (M1) of genes expressed
 in the skin of humans or animals by subjecting a mixture of genetically
 encoded factors from skin, to serial analysis of gene expression (SAGE).
 CC so as to identify skin-expressed genes and quantify their expression.
 CC (M1) is useful for identifying genes involved in skin homeostasis; to
 CC determine skin homeostasis and to test agent (A) that maintains or
 CC promotes skin homeostasis or that can be used for treating skin
 CC disorders, specifically neurodermatitis; sunburn; psoriasis; scleroderma;
 CC ichthyosis; atopic dermatitis; acne; seborrhea; lupus erythematosus;
 CC rosacea; melanoma; basal cell carcinoma; and carcinoma or sarcoma of the
 CC skin. The present sequence is that of a human expressed sequence tag
 CC (EST) of the invention

QY 933 CCTCCTCTT 941
 Db 9 CCTCCTCTT 1

RESULT 2587
 ABV63904/c
 ID ABV63904 standard; cDNA; 11 BP.
 XX AC ABV63904;
 XX DT 21-OCT-2002 (first entry)
 XX DE Human skin EST 1690.
 XX KW Human; skin; dermatological; vulnery; antipsoriatic; antiseborrhaeic;
 KW immunosuppressive; antiinflammatory; cytostatic; SAGE; neurodermatitis;
 KW psoriasis; dermatitis; skin cancer; EST; expressed sequence tag; ss.
 XX OS Homo sapiens.
 XX PN WO200253774-A2.
 XX PD 11-JUL-2002.

XX 20-DEC-2001; 2001WO-EP015179.
XX 03-JAN-2001; 2001DE-01000127.
XX (HENK) HENKEL KGAA.
XX Petersohn D, Conradt M, Hofmann K;
XX WPI; 2002-590638/63.
XX In vitro identification of skin-expressed genes, useful for determining
XX homeostasis and identifying cosmetic or pharmaceutical agents against
XX e.g. skin cancer.
XX Disclosure; Page 71; 1345pp; German.
XX The invention relates to in vitro identification (M1) of genes expressed
XX in the skin of humans or animals by subjecting a mixture of genetically
XX encoded factors from skin, to serial analysis of gene expression (SAGE)
XX so as to identify skin-expressed genes and quantify their expression.
XX (M1) is useful for identifying genes involved in skin homeostasis; to
XX determine skin homeostasis and to test agent (A) that maintains or
XX promotes skin homeostasis or that can be used for treating skin
XX disorders, specifically neurodermatitis; sunburn; psoriasis; scleroderma;
XX ichthyosis; atopic dermatitis; acne; seborrhea; lupus erythematosus;
XX rosacea; melanoma; basal cell carcinoma; and carcinoma or sarcoma of the
XX skin. The present sequence is that of a human expressed sequence tag
XX (EST) of the invention
XX Sequence 11 BP; 8 A; 1 C; 2 G; 0 T; 0 U; 0 Other;
XX Query Match 12.3%; Score 9; DB 1; Length 11;
XX Best Local Similarity 100.0%; Pred. No. 1.4e+03;
XX Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 908 TTTTCTTTG 916
DB 10 TTTTCTTTG 2
RESULT 2588
ABV68523/C
ID ABV68523 standard; cDNA; 11 BP.
XX AC ABV68523;
XX 21-OCT-2002 (first entry)
XX Human skin EST 6309.
XX Human; skin; dermatological; vulnery; antipsoriatic; antiseborrheic;
XX immunosuppressive; antiinflammatory; cytostatic; SAGE; neurodermatitis;
XX psoriasis; dermatitis; skin cancer; EST; expressed sequence tag; ss.
XX Homo sapiens.
XX WO200253774-A2.
XX 11-JUL-2002.
XX 20-DEC-2001; 2001WO-EP015179.
XX 03-JAN-2001; 2001DE-01000127.
XX (HENK) HENKEL KGAA.
XX Petersohn D, Conradt M, Hofmann K;
XX WPI; 2002-590638/63.
XX In vitro identification of skin-expressed genes, useful for determining
XX homeostasis and identifying cosmetic or pharmaceutical agents against

PT e.g. skin cancer.
XX Disclosure; Page 200; 1345pp; German.
XX The invention relates to in vitro identification (M1) of genes expressed
XX in the skin of humans or animals by subjecting a mixture of genetically
XX encoded factors from skin, to serial analysis of gene expression (SAGE)
XX so as to identify skin-expressed genes and quantify their expression.
XX (M1) is useful for identifying genes involved in skin homeostasis; to
XX determine skin homeostasis and to test agent (A) that maintains or
XX promotes skin homeostasis or that can be used for treating skin
XX disorders, specifically neurodermatitis; sunburn; psoriasis; scleroderma;
XX ichthyosis; atopic dermatitis; acne; seborrhea; lupus erythematosus;
XX rosacea; melanoma; basal cell carcinoma; and carcinoma or sarcoma of the
XX skin. The present sequence is that of a human expressed sequence tag
XX (EST) of the invention
XX Sequence 11 BP; 4 A; 0 C; 6 G; 1 T; 0 U; 0 Other;
XX Query Match 12.3%; Score 9; DB 1; Length 11;
XX Best Local Similarity 100.0%; Pred. No. 1.4e+03;
XX Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 935 TCCTCTTCA 943
DB 11 TCCTCTTCA 3
RESULT 2589
AAX85598
ID AAX85598 standard; DNA; 12 BP.
XX AC AAX85598;
XX 06-SEP-1999 (first entry)
XX Fragment of the porcine circovirus genome.
XX MAP; piglet fatal wasting disease; vaccine; circovirus infection;
XX gene therapy; ss.
XX Porcine circovirus.
XX FR2772047-A1.
XX 11-JUN-1999.
XX 05-DEC-1997; 97FR-00015396.
XX 05-DEC-1997; 97FR-00015396.
XX (NAVE-) CENT NAT ETUD VETERINAIRES & ALIMENTAIRE.
XX Jestin A, Albina E, Le Cann P, Blanchard P, Hutet E, Arnauld C;
XX WPI; 1999-360000/31.
XX Nucleotide sequence of porcine circovirus MAP - useful in vaccines
XX against MAP circovirus infection and in gene therapy.
XX Claim 5; Page 59; 89pp; French.
XX The present sequence represents a fragment of the porcine circovirus
XX genome associated with MAP. MAP is the french acronym for piglet fatal
XX wasting disease. The polypeptides can be used to detect anti-MAP
XX antibodies. The antibodies can be used to detect MAP antigens. The
XX nucleotide sequences can be used as probes or primers for detecting MAP
XX nucleic acids. The nucleotide sequences, polypeptides, vectors,
XX (pseudo)viral particles, transformed cells and compounds selected by the
XX screening assay can be used in pharmaceutical compositions. The
XX polypeptides, nucleotide sequences, vectors and transformed cells can be
XX used in vaccines against MAP circovirus infection. The vectors,
XX (pseudo)viral particles and transformed cells can be used for gene


```
XX DE Oligonucleotide primer SEQ ID NO 295709 for detecting SNP TSC0016595.
XX KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX OS Homo sapiens.
XX PN WO200177384-A2.
XX FD 18-OCT-2001.
XX PF 06-APR-2001; 2001WO-IB000713.
XX PR 07-APR-2000; 2000DE-01019173.
XX PA (EPIG-) EPIGENOMICS AG.
XX PI Olek A, Piepenbrock C, Berlin K;
XX DR WPI; 2001-657177/75.
XX PT Set of oligonucleotides, useful for diagnosis and cell typing, is
XX PT designed to detect single-nucleotide polymorphisms and cytosine
XX PT methylation status.
XX PS Claim 1; SEQ ID NO 295709; 29pp + Sequence Listing; German.
XX CC This invention describes novel oligonucleotide primers or peptide nucleic
XX CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
XX CC and cytosine methylation status in chemically pretreated genomic DNA. The
XX CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
XX CC range of diseases including immune system, gastrointestinal, respiratory,
XX CC central nervous system, cardiovascular and metabolic disorders. The
XX CC oligomers are also used for detecting cell type differentiation. ABC00010
XX CC -ABC99989, ABP00010-ABP99989, ABH00010-ABH99989 and ABI00010-ABI82073
XX CC represent the oligomers described in the invention. NOTE: The sequence
XX CC data for this patent did not form part of the printed specification, but
XX CC was obtained in electronic format from WIPO at
XX CC ftp.wipo.int/pub/published_pct_sequences
XX SQ Sequence 12 BP; 7 A; 2 C; 0 G; 3 T; 0 U; 0 Other;
XX
XX Query Match 12.3%; Score 9; DB 1; Length 12;
XX Best Local Similarity 100.0%; Pred.No. 1.4e+03;
XX Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
XX
XX QY 947 GTTTAATCT 955
XX DB 10 GTTTAATCT 2
XX
XX RESULT 2593
XX ABH90779
XX ID ABH90779 standard; DNA; 12 BP.
XX AC ABH90779;
XX XX
XX DT 22-FEB-2002 (first entry)
XX DE
XX DE Oligonucleotide primer SEQ ID NO 290772 for detecting SNP TSC0014508.
XX KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX OS Homo sapiens.
XX PN WO200177384-A2.
XX FD 18-OCT-2001.
XX PF 06-APR-2001; 2001WO-IB000713.
XX PR 07-APR-2000; 2000DE-01019173.
XX PA (EPIG-) EPIGENOMICS AG.
XX PI Olek A, Piepenbrock C, Berlin K;
XX DR WPI; 2001-657177/75.
XX PT Set of oligonucleotides, useful for diagnosis and cell typing, is
XX PT designed to detect single-nucleotide polymorphisms and cytosine
XX PT methylation status.
XX PS Claim 1; SEQ ID NO 295709; 29pp + Sequence Listing; German.
XX CC This invention describes novel oligonucleotide primers or peptide nucleic
XX CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
XX CC and cytosine methylation status in chemically pretreated genomic DNA. The
XX CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
XX CC range of diseases including immune system, gastrointestinal, respiratory,
XX CC central nervous system, cardiovascular and metabolic disorders. The
XX CC oligomers are also used for detecting cell type differentiation. ABC00010
XX CC -ABC99989, ABP00010-ABP99989, ABH00010-ABH99989 and ABI00010-ABI82073
XX CC represent the oligomers described in the invention. NOTE: The sequence
XX CC data for this patent did not form part of the printed specification, but
XX CC was obtained in electronic format from WIPO at
XX CC ftp.wipo.int/pub/published_pct_sequences
XX SQ Sequence 12 BP; 7 A; 2 C; 0 G; 3 T; 0 U; 0 Other;
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PF 06-APR-2001; 2001WO-IB000713.
XX 07-APR-2000; 2000DE-01019173.
XX (EPIG-) EPIGENOMICS AG.
XX Olek A, Piepenbrock C, Berlin K;
XX WPI; 2001-657177/75.
XX PT Set of oligonucleotides, useful for diagnosis and cell typing, is
XX PT designed to detect single-nucleotide polymorphisms and cytosine
XX PT methylation status.
XX PS Claim 1; SEQ ID NO 290772; 29pp + Sequence Listing; German.
XX CC This invention describes novel oligonucleotide primers or peptide nucleic
XX CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
XX CC and cytosine methylation status in chemically pretreated genomic DNA. The
XX CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
XX CC range of diseases including immune system, gastrointestinal, respiratory,
XX CC central nervous system, cardiovascular and metabolic disorders. The
XX CC oligomers are also used for detecting cell type differentiation. ABC00010
XX CC -ABC99989, ABP00010-ABP99989, ABH00010-ABH99989 and ABI00010-ABI82073
XX CC represent the oligomers described in the invention. NOTE: The sequence
XX CC data for this patent did not form part of the printed specification, but
XX CC was obtained in electronic format from WIPO at
XX CC ftp.wipo.int/pub/published_pct_sequences
XX SQ Sequence 12 BP; 3 A; 3 C; 0 G; 6 T; 0 U; 0 Other;
XX
XX Query Match 12.3%; Score 9; DB 1; Length 12;
XX Best Local Similarity 100.0%; Pred.No. 1.4e+03;
XX Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
XX
XX QY 905 TCATTTTCT 913
XX DB 1 TCATTTTCT 9
XX
XX RESULT 2594
XX ABI50614/C
XX ID ABI50614 standard; DNA; 12 BP.
XX AC ABI50614;
XX XX
XX DT 22-FEB-2002 (first entry)
XX DE
XX DE Oligonucleotide primer SEQ ID NO 350587 for detecting SNP TSC0046765.
XX KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX OS Homo sapiens.
XX PN WO200177384-A2.
XX FD 18-OCT-2001.
XX PF 06-APR-2001; 2001WO-IB000713.
XX PR 07-APR-2000; 2000DE-01019173.
XX PA (EPIG-) EPIGENOMICS AG.
XX PI Olek A, Piepenbrock C, Berlin K;
XX DR WPI; 2001-657177/75.
XX PT Set of oligonucleotides, useful for diagnosis and cell typing, is
XX PT designed to detect single-nucleotide polymorphisms and cytosine
XX PT methylation status.
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XX PI Olek A, Piepenbrock C, Berlin K;
 XX WPI; 2001-657177/75.
 XX Set of oligonucleotides, useful for diagnosis and cell typing, is
 PT designed to detect single-nucleotide polymorphisms and cytosine
 PT methylation status.
 XX Claim 1; SEQ ID NO 377730; 29pp + Sequence Listing; German.
 XX This invention describes novel oligonucleotide primers or peptide nucleic
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
 CC and cytosine methylation status in chemically pretreated genomic DNA. The
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
 CC range of diseases including immune system, cardiovascular and metabolic disorders. The
 CC range of diseases including immune system, gastrointestinal, respiratory,
 CC central nervous system, cardiovascular and metabolic disorders. The
 CC oligomers are also used for detecting cell type differentiation. ABC00010
 CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
 CC represent the oligomers described in the invention. NOTE: The sequence
 CC data for this patent did not form part of the printed specification, but
 CC was obtained in electronic format from WIPO at
 CC ftp.wipo.int/pub/published_pct_sequences
 XX Sequence 12 BP; 3 A; 0 C; 4 G; 5 T; 0 U; 0 Other;
 XX Query Match 12.3%; Score 9; DB 1; Length 12;
 XX Best Local Similarity 100.0%; Pred. No. 1.4e+03;
 XX Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
 XX 3 TTGGTTTAA 11
 XX 944 TTGGTTTAA 952
 XX 3 TTGGTTTAA 11
 XX RESULT 2600
 XX ABI79905
 XX ID ABI79905 standard; DNA; 12 BP.
 XX AC ABI79905;
 XX 22-FEB-2002 (first entry)
 XX Oligonucleotide primer SEQ ID NO 379878 for detecting SNP TSC0000746.
 XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
 XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
 XX central nervous system; gastrointestinal; respiratory; immune; metabolic.
 XX Homo sapiens.
 XX WO200177384-A2.
 XX 18-OCT-2001.
 XX 06-APR-2001; 2001WO-IB000713.
 XX 07-APR-2000; 2000DE-01019173.
 XX (EPIG-) EPIGENOMICS AG.
 XX Olek A, Piepenbrock C, Berlin K;
 XX WPI; 2001-657177/75.
 XX Set of oligonucleotides, useful for diagnosis and cell typing, is
 PT designed to detect single-nucleotide polymorphisms and cytosine
 PT methylation status.
 XX Claim 1; SEQ ID NO 379878; 29pp + Sequence Listing; German.
 XX This invention describes novel oligonucleotide primers or peptide nucleic
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
 CC and cytosine methylation status in chemically pretreated genomic DNA. The
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
 CC range of diseases including immune system, cardiovascular and metabolic disorders. The
 CC range of diseases including immune system, gastrointestinal, respiratory,
 CC central nervous system, cardiovascular and metabolic disorders. The
 CC oligomers are also used for detecting cell type differentiation. ABC00010
 CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
 CC represent the oligomers described in the invention. NOTE: The sequence
 CC data for this patent did not form part of the printed specification, but
 CC was obtained in electronic format from WIPO at
 CC ftp.wipo.int/pub/published_pct_sequences
 XX Sequence 12 BP; 3 A; 0 C; 4 G; 5 T; 0 U; 0 Other;
 XX Query Match 12.3%; Score 9; DB 1; Length 12;
 XX Best Local Similarity 100.0%; Pred. No. 1.4e+03;
 XX Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
 XX 3 TTGGTTTAA 11
 XX 944 TTGGTTTAA 952
 XX 3 TTGGTTTAA 11
 XX RESULT 2600
 XX ABI79905
 XX ID ABI79905 standard; DNA; 12 BP.
 XX AC ABI79905;
 XX 22-FEB-2002 (first entry)
 XX Oligonucleotide primer SEQ ID NO 379878 for detecting SNP TSC0000746.
 XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
 XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
 XX central nervous system; gastrointestinal; respiratory; immune; metabolic.
 XX Homo sapiens.
 XX WO200177384-A2.
 XX 18-OCT-2001.
 XX 06-APR-2001; 2001WO-IB000713.
 XX 07-APR-2000; 2000DE-01019173.
 XX (EPIG-) EPIGENOMICS AG.
 XX Olek A, Piepenbrock C, Berlin K;
 XX WPI; 2001-657177/75.
 XX Set of oligonucleotides, useful for diagnosis and cell typing, is
 PT designed to detect single-nucleotide polymorphisms and cytosine
 PT methylation status.
 XX Claim 1; SEQ ID NO 379878; 29pp + Sequence Listing; German.
 XX This invention describes novel oligonucleotide primers or peptide nucleic
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
 CC and cytosine methylation status in chemically pretreated genomic DNA. The
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
 CC range of diseases including immune system, cardiovascular and metabolic disorders. The
 CC range of diseases including immune system, gastrointestinal, respiratory,
 CC central nervous system, cardiovascular and metabolic disorders. The
 CC oligomers are also used for detecting cell type differentiation. ABC00010
 CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
 CC represent the oligomers described in the invention. NOTE: The sequence
 CC data for this patent did not form part of the printed specification, but
 CC was obtained in electronic format from WIPO at
 CC ftp.wipo.int/pub/published_pct_sequences
 XX Sequence 12 BP; 3 A; 0 C; 4 G; 5 T; 0 U; 0 Other;
 XX Query Match 12.3%; Score 9; DB 1; Length 12;
 XX Best Local Similarity 100.0%; Pred. No. 1.4e+03;
 XX Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
 XX 3 TTGGTTTAA 11
 XX 944 TTGGTTTAA 952
 XX 3 TTGGTTTAA 11
 XX RESULT 2601
 XX ABI81603
 XX ID ABI81603 standard; DNA; 12 BP.
 XX AC ABI81603;
 XX 22-FEB-2002 (first entry)
 XX Oligonucleotide primer SEQ ID NO 381576 for detecting SNP TSC0064432.
 XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
 XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
 XX central nervous system; gastrointestinal; respiratory; immune; metabolic.
 XX Homo sapiens.
 XX WO200177384-A2.
 XX 18-OCT-2001.
 XX 06-APR-2001; 2001WO-IB000713.
 XX 07-APR-2000; 2000DE-01019173.
 XX (EPIG-) EPIGENOMICS AG.
 XX Olek A, Piepenbrock C, Berlin K;
 XX WPI; 2001-657177/75.
 XX Set of oligonucleotides, useful for diagnosis and cell typing, is
 PT designed to detect single-nucleotide polymorphisms and cytosine
 PT methylation status.
 XX Claim 1; SEQ ID NO 381576; 29pp + Sequence Listing; German.
 XX This invention describes novel oligonucleotide primers or peptide nucleic
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
 CC and cytosine methylation status in chemically pretreated genomic DNA. The
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
 CC range of diseases including immune system, cardiovascular and metabolic disorders. The
 CC range of diseases including immune system, gastrointestinal, respiratory,
 CC central nervous system, cardiovascular and metabolic disorders. The
 CC oligomers are also used for detecting cell type differentiation. ABC00010
 CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
 CC represent the oligomers described in the invention. NOTE: The sequence
 CC data for this patent did not form part of the printed specification, but
 CC was obtained in electronic format from WIPO at
 CC ftp.wipo.int/pub/published_pct_sequences
 XX Sequence 12 BP; 5 A; 0 C; 2 G; 5 T; 0 U; 0 Other;
 XX Query Match 12.3%; Score 9; DB 1; Length 12;
 XX Best Local Similarity 100.0%; Pred. No. 1.4e+03;
 XX Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
 XX 936 CCTCTTCAT 944
 XX 1 CCTCTTCAT 9

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Query Match      12.3%; Score 9; DB 1; Length 12;
Best Local Similarity 100.0%; Pred. No. 1.4e+03;
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      949 TTAATGTAT 957
Db      3 TTAATGTAT 11
|||||
RESULT 2602
ABH74720
ID ABH74720 standard; DNA; 12 BP.
AC ABH74720;
XX 22-FEB-2002 (first entry)
XX Oligonucleotide primer SEQ ID NO 274705 for detecting SNP TSC0003650.
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX Homo sapiens.
XX WO200177384-A2.
XX 18-OCT-2001.
XX 06-APR-2001; 2001WO-IB000713.
XX 07-APR-2000; 2000DE-01019173.
XX (EPIG-) EPIGENOMICS AG.
XX Olek A, Piepenbrock C, Berlin K;
XX WPI; 2001-657177/75.
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
XX designed to detect single-nucleotide polymorphisms and cytosine
XX methylation status.
XX Claim 1; SEQ ID NO 274705; 29pp + Sequence Listing; German.
XX This invention describes novel oligonucleotide primers or peptide nucleic
XX acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
XX and cytosine methylation status in chemically pretreated genomic DNA. The
XX oligonucleotides are used for diagnosis and/or prognosis of cancer and a
XX range of diseases including immune system, gastrointestinal, respiratory,
XX central nervous system, cardiovascular and metabolic disorders. The
XX oligomers are also used for detecting cell type differentiation. ABC00010
XX -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
XX represent the oligomers described in the invention. NOTE: The sequence
XX data for this patent did not form part of the printed specification, but
XX was obtained in electronic format from WIPO at
XX ftp.wipo.int/pub/published_pct_sequences
XX
XX Sequence 12 BP; 3 A; 0 C; 4 G; 5 T; 0 U; 0 Other;
XX
XX Query Match      12.3%; Score 9; DB 1; Length 12;
XX Best Local Similarity 100.0%; Pred. No. 1.4e+03;
XX Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
XX
XX Qy      943 ATTGTTT 951
XX Db      4 ATTGTTT 12
XX |||||
XX
XX RESULT 2603
XX ABH74720
XX ID ABH74720 standard; DNA; 12 BP.
XX
XX Query Match      12.3%; Score 9; DB 1; Length 12;
XX Best Local Similarity 100.0%; Pred. No. 1.4e+03;
XX Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
XX
XX Qy      907 ATTTCTTT 915
XX Db      2 ATTTCTTT 10
XX |||||
XX
XX RESULT 2604
XX ABI26746/c
XX ID ABI26746 standard; DNA; 12 BP.
XX
XX AC ABI26746;
XX XX 22-FEB-2002 (first entry)
XX
XX Oligonucleotide primer SEQ ID NO 326719 for detecting SNP TSC0033245.
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX Homo sapiens.
XX WO200177384-A2.
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XX PD 18-OCT-2001.
XX PF 06-APR-2001; 2001WO-IB000713.
XX PR 07-APR-2000; 2000DE-01019173.
XX PA (EPIG-) EPIGENOMICS AG.
XX PI Olek A, Piepenbrock C, Berlin K;
XX PI WPI; 2001-657177/75.
XX DR
XX PT Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX PS Claim 1; SEQ ID NO 326719; 29pp + Sequence Listing; German.
XX CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC9989, ABF0010-ABF9989, ABH00010-ABH9989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX QY Sequence 12 BP; 4 A; 5 C; 0 G; 3 T; 0 U; 0 Other;
XX SQ Query Match 12.3%; Score 9; DB 1; Length 12;
XX Best Local Similarity 100.0%; Pred. No. 1.4e+03;
XX Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
XX QY 946 GCTTTAATG 954
XX Db 12 GCTTTAATG 4
XX RESULT 2605
XX ID ABI01684 standard; DNA; 12 BP.
XX AC ABI01684;
XX XX
XX DT 22-FEB-2002 (first entry)
XX DE Oligonucleotide primer SEQ ID NO 301657 for detecting SNP TSC0019597.
XX KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX OS Homo sapiens.
XX PN WO200177384-A2.
XX XX
XX PD 18-OCT-2001.
XX PF 06-APR-2001; 2001WO-IB000713.
XX PR 07-APR-2000; 2000DE-01019173.
XX PA (EPIG-) EPIGENOMICS AG.
XX PI Olek A, Piepenbrock C, Berlin K;
XX PI WPI; 2001-657177/75.
XX DR
XX PT Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX PS Claim 1; SEQ ID NO 301657; 29pp + Sequence Listing; German.
XX CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC9989, ABF0010-ABF9989, ABH00010-ABH9989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX QY Sequence 12 BP; 4 A; 5 C; 0 G; 3 T; 0 U; 0 Other;
XX SQ Query Match 12.3%; Score 9; DB 1; Length 12;
XX Best Local Similarity 100.0%; Pred. No. 1.4e+03;
XX Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
XX QY 946 GCTTTAATG 954
XX Db 12 GCTTTAATG 4
XX RESULT 2605
XX ID ABI01684 standard; DNA; 12 BP.
XX AC ABI01684;
XX XX
XX DT 22-FEB-2002 (first entry)
XX DE Oligonucleotide primer SEQ ID NO 301657 for detecting SNP TSC0019597.
XX KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX OS Homo sapiens.
XX PN WO200177384-A2.
XX XX
XX PD 18-OCT-2001.
XX PF 06-APR-2001; 2001WO-IB000713.
XX PR 07-APR-2000; 2000DE-01019173.
XX PA (EPIG-) EPIGENOMICS AG.
XX PI Olek A, Piepenbrock C, Berlin K;
XX PI WPI; 2001-657177/75.
XX DR
XX PT Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX PS Claim 1; SEQ ID NO 301657; 29pp + Sequence Listing; German.
XX CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC9989, ABF0010-ABF9989, ABH00010-ABH9989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX QY Sequence 12 BP; 4 A; 0 C; 2 G; 6 T; 0 U; 0 Other;
XX SQ Query Match 12.3%; Score 9; DB 1; Length 12;
XX Best Local Similarity 100.0%; Pred. No. 1.4e+03;
XX Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
XX QY 947 GTTTAATGT 955
XX Db 3 GTTTAATGT 11
XX RESULT 2606
XX ID ABI02367 standard; DNA; 12 BP.
XX AC ABI02367;
XX XX
XX DT 22-FEB-2002 (first entry)
XX DE Oligonucleotide primer SEQ ID NO 302340 for detecting SNP TSC0019947.
XX KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX OS Homo sapiens.
XX PN WO200177384-A2.
XX XX
XX PD 18-OCT-2001.
XX PF 06-APR-2001; 2001WO-IB000713.
XX PR 07-APR-2000; 2000DE-01019173.
XX PA (EPIG-) EPIGENOMICS AG.
XX PI Olek A, Piepenbrock C, Berlin K;
XX PI WPI; 2001-657177/75.
XX DR
XX PT Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX PS Claim 1; SEQ ID NO 302340; 29pp + Sequence Listing; German.
XX CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010

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CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 12 BP; 1 A; 2 C; 0 G; 9 T; 0 U; 0 Other;

Query Match 12.3%; Score 9; DB 1; Length 12;
Best Local Similarity 100.0%; Pred. No. 1.4e+03;
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 907 ATTTCTTT 915
|||||||
Db 1 ATTTCTTT 9

RESULT 2607
ABI04593/C
ID ABI04593 standard; DNA; 12 BP.
XX
AC ABI04593;
XX
DT 22-FEB-2002 (first entry)
XX
DE Oligonucleotide primer SEQ ID NO 304566 for detecting SNP TSC0020999.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
DR WPI; 2001-657177/75.
XX
PT Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
PS Claim 1; SEQ ID NO 304566; 29pp + Sequence Listing; German.
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 12 BP; 6 A; 3 C; 1 G; 2 T; 0 U; 0 Other;

Query Match 12.3%; Score 9; DB 1; Length 12;
Best Local Similarity 100.0%; Pred. No. 1.4e+03;
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 943 ATTGGTTTA 951
|||||||
Db 9 ATTGGTTTA 1

RESULT 2608
ABH86165
ID ABH86165 standard; DNA; 12 BP.
XX
AC ABH86165;
XX
DT 22-FEB-2002 (first entry)
XX
DE Oligonucleotide primer SEQ ID NO 286158 for detecting SNP TSC0012604.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
DR WPI; 2001-657177/75.
XX
PT Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
PS Claim 1; SEQ ID NO 286158; 29pp + Sequence Listing; German.
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 12 BP; 2 A; 4 C; 0 G; 6 T; 0 U; 0 Other;

Query Match 12.3%; Score 9; DB 1; Length 12;
Best Local Similarity 100.0%; Pred. No. 1.4e+03;
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 926 TTTTATCCC 934
|||||||
Db 3 TTTTATCCC 11

RESULT 2609
ABH86427
ID ABH86427 standard; DNA; 12 BP.
XX
AC ABH86427;
XX
DT 22-FEB-2002 (first entry)
XX
DE Oligonucleotide primer SEQ ID NO 286420 for detecting SNP TSC0012722.
XX

XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
 KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
 KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
 XX
 OS Homo sapiens.
 XX
 XX WO200177384-A2.
 PN
 PD 18-OCT-2001.
 XX
 PF 06-APR-2001; 2001WO-IB000713.
 XX
 PR 07-APR-2000; 2000DE-01019173.
 XX
 PA (EPIG-) EPIGENOMICS AG.
 XX
 PI Olek A, Piepenbrock C, Berlin K;
 XX
 DR WPI; 2001-657177/75.
 XX
 XX Set of oligonucleotides, useful for diagnosis and cell typing, is
 PT designed to detect single-nucleotide polymorphisms and cytosine
 PT methylation status.
 XX
 PS Claim 1; SEQ ID NO 286420; 29pp + Sequence Listing; German.
 XX
 CC This invention describes novel oligonucleotide primers or peptide nucleic
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
 CC and cytosine methylation status in chemically pretreated genomic DNA. The
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
 CC range of diseases including immune system, gastrointestinal, respiratory,
 CC central nervous system, cardiovascular and metabolic disorders. The
 CC oligomers are also used for detecting cell type differentiation. ABC00010
 CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
 CC represent the oligomers described in the invention. NOTE: The sequence
 CC data for this patent did not form part of the printed specification, but
 CC was obtained in electronic format from WIPO at
 CC ftp.wipo.int/pub/published_pct_sequences
 XX
 SQ Sequence 12 BP; 0 A; 6 C; 0 G; 6 T; 0 U; 0 Other;
 XX
 Query Match 12.3%; Score 9; DB 1; Length 12;
 Best Local Similarity 100.0%; Pred. No. 1.4e+03;
 Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
 XX
 QY 934 CTCCTCTTC 942
 DB 3 CTCCTCTTC 11
 XX
 RESULT 2610
 ABI45905/C
 ID ABI45905 standard; DNA; 12 BP.
 XX
 AC ABI45905;
 XX
 DT 22-FEB-2002 (first entry)
 XX
 DE Oligonucleotide primer SEQ ID NO 345878 for detecting SNP TSC0044262.
 XX
 KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
 KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
 KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
 XX
 OS Homo sapiens.
 XX
 XX WO200177384-A2.
 PN
 PD 18-OCT-2001.
 XX
 PF 06-APR-2001; 2001WO-IB000713.
 XX

PR 07-APR-2000; 2000DE-01019173.
 XX
 PA (EPIG-) EPIGENOMICS AG.
 XX
 PI Olek A, Piepenbrock C, Berlin K;
 XX
 DR WPI; 2001-657177/75.
 XX
 XX Set of oligonucleotides, useful for diagnosis and cell typing, is
 PT designed to detect single-nucleotide polymorphisms and cytosine
 PT methylation status.
 XX
 PS Claim 1; SEQ ID NO 345878; 29pp + Sequence Listing; German.
 XX
 CC This invention describes novel oligonucleotide primers or peptide nucleic
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
 CC and cytosine methylation status in chemically pretreated genomic DNA. The
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
 CC range of diseases including immune system, gastrointestinal, respiratory,
 CC central nervous system, cardiovascular and metabolic disorders. The
 CC oligomers are also used for detecting cell type differentiation. ABC00010
 CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
 CC represent the oligomers described in the invention. NOTE: The sequence
 CC data for this patent did not form part of the printed specification, but
 CC was obtained in electronic format from WIPO at
 CC ftp.wipo.int/pub/published_pct_sequences
 XX
 SQ Sequence 12 BP; 5 A; 0 C; 3 G; 4 T; 0 U; 0 Other;
 XX
 Query Match 12.3%; Score 9; DB 1; Length 12;
 Best Local Similarity 100.0%; Pred. No. 1.4e+03;
 Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
 XX
 QY 924 CCTTTTATC 932
 DB 9 CCTTTTATC 1
 XX
 RESULT 2611
 ABI48277
 ID ABI48277 standard; DNA; 12 BP.
 XX
 AC ABI48277;
 XX
 DT 22-FEB-2002 (first entry)
 XX
 DE Oligonucleotide primer SEQ ID NO 348250 for detecting SNP TSC0045503.
 XX
 KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
 KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
 KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
 XX
 OS Homo sapiens.
 XX
 XX WO200177384-A2.
 PN
 PD 18-OCT-2001.
 XX
 DE 06-APR-2001; 2001WO-IB000713.
 XX
 PR 07-APR-2000; 2000DE-01019173.
 XX
 PA (EPIG-) EPIGENOMICS AG.
 XX
 PI Olek A, Piepenbrock C, Berlin K;
 XX
 DR WPI; 2001-657177/75.
 XX
 XX Set of oligonucleotides, useful for diagnosis and cell typing, is
 PT designed to detect single-nucleotide polymorphisms and cytosine
 PT methylation status.
 XX
 PS Claim 1; SEQ ID NO 348250; 29pp + Sequence Listing; German.

XX This invention describes novel oligonucleotide primers or peptide nucleic acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP) and cytosine methylation status in chemically pretreated genomic DNA. The oligonucleotides are used for diagnosis and/or prognosis of cancer and a range of diseases including immune system, gastrointestinal, respiratory, central nervous system, cardiovascular and metabolic disorders. The oligomers are also used for detecting cell type differentiation. ABC00010 -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073 represent the oligomers described in the invention. NOTE: The sequence data for this patent did not form part of the printed specification, but was obtained in electronic format from WIPO at ftp.wipo.int/pub/published_pct_sequences

XX Sequence 12 BP; 3 A; 0 C; 0 G; 6 T; 0 U; 0 Other;

Query Match 12.3%; Score 9; DB 1; Length 12;
Best Local Similarity 100.0%; Pred. No. 1.4e+03;
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 906 CATTTTCTT 914
| | | | | | | |
Db 2 CATTTTCTT 10

RESULT 2612
ABI67671/c
ID ABI67671 standard; DNA; 12 BP.

XX ABI67671;

XX 22-FEB-2002 (first entry)

XX Oligonucleotide primer SEQ ID NO 367644 for detecting SNP TSC0056461.

XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.

XX Homo sapiens.

XX WO200177384-A2.

XX 18-OCT-2001.

XX 06-APR-2001; 2001WO-IB000713.

XX 07-APR-2000; 2000DE-01019173.

XX (EPIG-) EPIGENOMICS AG.

XX Olek A, Piepenbrock C, Berlin K;

XX WPI; 2001-657177/75.

XX Set of oligonucleotides, useful for diagnosis and cell typing, is designed to detect single-nucleotide polymorphisms and cytosine methylation status.

XX Claim 1; SEQ ID NO 367644; 29pp + Sequence Listing; German.

XX This invention describes novel oligonucleotide primers or peptide nucleic acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP) and cytosine methylation status in chemically pretreated genomic DNA. The oligonucleotides are used for diagnosis and/or prognosis of cancer and a range of diseases including immune system, gastrointestinal, respiratory, central nervous system, cardiovascular and metabolic disorders. The oligomers are also used for detecting cell type differentiation. ABC00010 -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073 represent the oligomers described in the invention. NOTE: The sequence data for this patent did not form part of the printed specification, but was obtained in electronic format from WIPO at ftp.wipo.int/pub/published_pct_sequences

XX Sequence 12 BP; 6 A; 0 C; 3 G; 3 T; 0 U; 0 Other;

Query Match 12.3%; Score 9; DB 1; Length 12;
Best Local Similarity 100.0%; Pred. No. 1.4e+03;
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 905 TCATTTTCT 913
| | | | | | | |
Db 10 TCATTTTCT 2

RESULT 2613
ABI54939/c
ID ABI54939 standard; DNA; 12 BP.

XX ABI54939;

XX 22-FEB-2002 (first entry)

XX Oligonucleotide primer SEQ ID NO 354912 for detecting SNP TSC0049362.

XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.

XX Homo sapiens.

XX WO200177384-A2.

XX 18-OCT-2001.

XX 06-APR-2001; 2001WO-IB000713.

XX 07-APR-2000; 2000DE-01019173.

XX (EPIG-) EPIGENOMICS AG.

XX Olek A, Piepenbrock C, Berlin K;

XX WPI; 2001-657177/75.

XX Set of oligonucleotides, useful for diagnosis and cell typing, is designed to detect single-nucleotide polymorphisms and cytosine methylation status.

XX Claim 1; SEQ ID NO 354912; 29pp + Sequence Listing; German.

XX This invention describes novel oligonucleotide primers or peptide nucleic acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP) and cytosine methylation status in chemically pretreated genomic DNA. The oligonucleotides are used for diagnosis and/or prognosis of cancer and a range of diseases including immune system, gastrointestinal, respiratory, central nervous system, cardiovascular and metabolic disorders. The oligomers are also used for detecting cell type differentiation. ABC00010 -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073 represent the oligomers described in the invention. NOTE: The sequence data for this patent did not form part of the printed specification, but was obtained in electronic format from WIPO at ftp.wipo.int/pub/published_pct_sequences

XX Sequence 12 BP; 7 A; 1 C; 0 G; 4 T; 0 U; 0 Other;

Query Match 12.3%; Score 9; DB 1; Length 12;
Best Local Similarity 100.0%; Pred. No. 1.4e+03;
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 948 TTTTAATGTA 956
| | | | | | | |
Db 10 TTTTAATGTA 2

RESULT 2614

XX WPI; 2001-657177/75.
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX Claim 1; SEQ ID NO 377041; 29pp + Sequence Listing; German.
XX This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX Sequence 12 BP; 3 A; 6 C; 0 G; 3 T; 0 U; 0 Other;
SQ Query Match 12.3%; Score 9; DB 1; Length 12;
Best Local Similarity 100.0%; Pred. No. 1.4e+03;
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 932 CCCCTCCTCT 940
DB 2 CCCCTCCTCT 10
RESULT 2617
ABI77457
ID ABI77457 standard; DNA; 12 BP.
XX AC ABI77457;
XX 22-FEB-2002 (first entry)
XX Oligonucleotide primer SEQ ID NO 377430 for detecting SNP TSC0006235.
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX Homo sapiens.
XX WO200177384-A2.
XX 18-OCT-2001.
XX 06-APR-2001; 2001WO-IB000713.
XX 07-APR-2000; 2000DE-01019173.
XX (EPIG-) EPIGENOMICS AG.
XX Olek A, Piepenbrock C, Berlin K;
XX WPI; 2001-657177/75.
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX Claim 1; SEQ ID NO 377430; 29pp + Sequence Listing; German.
XX This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX Sequence 12 BP; 3 A; 6 C; 0 G; 3 T; 0 U; 0 Other;
SQ Query Match 12.3%; Score 9; DB 1; Length 12;
Best Local Similarity 100.0%; Pred. No. 1.4e+03;
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 932 CCCCTCCTCT 940
DB 2 CCCCTCCTCT 10
RESULT 2618
ABH94731
ID ABH94731 standard; DNA; 12 BP.
XX AC ABH94731;
XX 22-FEB-2002 (first entry)
XX Oligonucleotide primer SEQ ID NO 294724 for detecting SNP TSC0016240.
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX Homo sapiens.
XX WO200177384-A2.
XX 18-OCT-2001.
XX 06-APR-2001; 2001WO-IB000713.
XX 07-APR-2000; 2000DE-01019173.
XX (EPIG-) EPIGENOMICS AG.
XX Olek A, Piepenbrock C, Berlin K;
XX WPI; 2001-657177/75.
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX Claim 1; SEQ ID NO 294724; 29pp + Sequence Listing; German.
XX This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX Sequence 12 BP; 3 A; 6 C; 0 G; 3 T; 0 U; 0 Other;
SQ Query Match 12.3%; Score 9; DB 1; Length 12;
Best Local Similarity 100.0%; Pred. No. 1.4e+03;
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 945 TGGTTTAAAT 953
DB 2 TGGTTTAAAT 10
RESULT 2619
ABH94731
ID ABH94731 standard; DNA; 12 BP.
XX AC ABH94731;
XX 22-FEB-2002 (first entry)
XX Oligonucleotide primer SEQ ID NO 294724 for detecting SNP TSC0016240.
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX Homo sapiens.
XX WO200177384-A2.
XX 18-OCT-2001.
XX 06-APR-2001; 2001WO-IB000713.
XX 07-APR-2000; 2000DE-01019173.
XX (EPIG-) EPIGENOMICS AG.
XX Olek A, Piepenbrock C, Berlin K;
XX WPI; 2001-657177/75.
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX Claim 1; SEQ ID NO 294724; 29pp + Sequence Listing; German.
XX This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX Sequence 12 BP; 3 A; 6 C; 0 G; 3 T; 0 U; 0 Other;
SQ Query Match 12.3%; Score 9; DB 1; Length 12;
Best Local Similarity 100.0%; Pred. No. 1.4e+03;
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

PT methylation status.
XX
PS Claim 1; SEQ ID NO 304668; 29pp + Sequence Listing; German.
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP) and cytosine methylation status in chemically pretreated genomic DNA. The oligonucleotides are used for diagnosis and/or prognosis of cancer and a range of diseases including immune system, gastrointestinal, respiratory, central nervous system, cardiovascular and metabolic disorders. The oligomers are also used for detecting cell type differentiation. ABC00010 -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073 represent the oligomers described in the invention. NOTE: The sequence data for this patent did not form part of the printed specification, but was obtained in electronic format from WIPO at ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 12 BP; 7 A; 0 C; 3 G; 2 T; 0 U; 0 Other;
Query Match 12.3%; Score 9; DB 1; Length 12;
Best Local Similarity 100.0%; Pred. No. 1.4e+03;
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 906 CATTTCCTT 914
Db 12 CATTTCCTT 4
|||||
RESULT 2623
ABH83878/c
ID ABH83878 standard; DNA; 12 BP.
XX
AC ABH83878;
XX
DT 22-FEB-2002 (first entry)
XX
DE Oligonucleotide primer SEQ ID NO 283871 for detecting SNP TSC0011542.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
XX WPI; 2001-657177/75.
XX
PT Set of oligonucleotides, useful for diagnosis and cell typing, is designed to detect single-nucleotide polymorphisms and cytosine methylation status.
XX
PS Claim 1; SEQ ID NO 283871; 29pp + Sequence Listing; German.
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP) and cytosine methylation status in chemically pretreated genomic DNA. The oligonucleotides are used for diagnosis and/or prognosis of cancer and a range of diseases including immune system, gastrointestinal, respiratory, central nervous system, cardiovascular and metabolic disorders. The oligomers are also used for detecting cell type differentiation. ABC00010 -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073 represent the oligomers described in the invention. NOTE: The sequence data for this patent did not form part of the printed specification, but was obtained in electronic format from WIPO at ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 12 BP; 5 A; 0 C; 6 G; 1 T; 0 U; 0 Other;
Query Match 12.3%; Score 9; DB 1; Length 12;
Best Local Similarity 100.0%; Pred. No. 1.4e+03;
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 933 CCTCCTCTT 941
Db 12 CCTCCTCTT 4
|||||
RESULT 2622
ABI04695/c
ID ABI04695 standard; DNA; 12 BP.
XX
AC ABI04695;
XX
DT 22-FEB-2002 (first entry)
XX
DE Oligonucleotide primer SEQ ID NO 304668 for detecting SNP TSC0021044.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
XX WPI; 2001-657177/75.
XX
PT Set of oligonucleotides, useful for diagnosis and cell typing, is designed to detect single-nucleotide polymorphisms and cytosine

XX
PF 06-APR-2001; 2001WO-IB000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
DR WPI; 2001-657177/75.
XX
PT Set of oligonucleotides, useful for diagnosis and cell typing, is designed to detect single-nucleotide polymorphisms and cytosine methylation status.
XX
PS Claim 1; SEQ ID NO 303707; 29pp + Sequence Listing; German.
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP) and cytosine methylation status in chemically pretreated genomic DNA. The oligonucleotides are used for diagnosis and/or prognosis of cancer and a range of diseases including immune system, gastrointestinal, respiratory, central nervous system, cardiovascular and metabolic disorders. The oligomers are also used for detecting cell type differentiation. ABC00010 -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073 represent the oligomers described in the invention. NOTE: The sequence data for this patent did not form part of the printed specification, but was obtained in electronic format from WIPO at ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 12 BP; 5 A; 0 C; 6 G; 1 T; 0 U; 0 Other;
Query Match 12.3%; Score 9; DB 1; Length 12;
Best Local Similarity 100.0%; Pred. No. 1.4e+03;
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 933 CCTCCTCTT 941
Db 12 CCTCCTCTT 4
|||||
RESULT 2622
ABI04695/c
ID ABI04695 standard; DNA; 12 BP.
XX
AC ABI04695;
XX
DT 22-FEB-2002 (first entry)
XX
DE Oligonucleotide primer SEQ ID NO 304668 for detecting SNP TSC0021044.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
XX WPI; 2001-657177/75.
XX
PT Set of oligonucleotides, useful for diagnosis and cell typing, is designed to detect single-nucleotide polymorphisms and cytosine

CC data for this patent did not form part of the printed specification, but
 CC was obtained in electronic format from WIPO at
 CC ftp.wipo.int/pub/published_pct_sequences
 XX
 SQ Sequence 12 BP; 8 A; 1 C; 0 G; 3 T; 0 U; 0 Other;

Query Match 12.3%; Score 9; DB 1; Length 12;
 Best Local Similarity 100.0%; Pred. No. 1.4e+03;
 Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 948 TTTAATGTA 956
 |||||
 Db 9 TTTAATGTA 1

RESULT 2624
 ABI35233
 ID ABI35233 standard; DNA; 12 BP.
 XX
 AC ABI35233;
 XX
 DT 22-FEB-2002 (first entry)
 XX
 DE Oligonucleotide primer SEQ ID NO 335206 for detecting SNP TSC0038667.

XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
 KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
 KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
 XX
 OS Homo sapiens.

PN WO200177384-A2.
 XX
 PD 18-OCT-2001.
 XX
 PF 06-APR-2001; 2001WO-IB000713.
 XX
 PR 07-APR-2000; 2000DE-01019173.

XX (EPIG-) EPIGENOMICS AG.
 PA
 PI Olek A, Piepenbrock C, Berlin K;
 XX
 DR WPI; 2001-657177/75.

XX Set of oligonucleotides, useful for diagnosis and cell typing, is
 PT designed to detect single-nucleotide polymorphisms and cytosine
 PT methylation status.
 XX
 PS Claim 1; SEQ ID NO 335206; 29pp + Sequence Listing; German.

XX This invention describes novel oligonucleotide primers or peptide nucleic
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
 CC and cytosine methylation status in chemically pretreated genomic DNA. The
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
 CC range of diseases including immune system, gastrointestinal, respiratory,
 CC central nervous system, cardiovascular and metabolic disorders. The
 CC oligomers are also used for detecting cell type differentiation. ABC00010
 CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
 CC represent the oligomers described in the invention. NOTE: The sequence
 CC data for this patent did not form part of the printed specification, but
 CC was obtained in electronic format from WIPO at
 CC ftp.wipo.int/pub/published_pct_sequences
 XX
 SQ Sequence 12 BP; 5 A; 0 C; 1 G; 6 T; 0 U; 0 Other;

Query Match 12.3%; Score 9; DB 1; Length 12;
 Best Local Similarity 100.0%; Pred. No. 1.4e+03;
 Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 948 TTTAATGTA 956
 |||||
 Db 4 TTTAATGTA 12

RESULT 2625
 ABI15017
 ID ABI15017 standard; DNA; 12 BP.
 XX
 AC ABI15017;
 XX
 DT 22-FEB-2002 (first entry)
 XX
 DE Oligonucleotide primer SEQ ID NO 314990 for detecting SNP TSC0026673.

XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
 KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
 KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
 XX
 OS Homo sapiens.

XX WO200177384-A2.
 PN
 PD 18-OCT-2001.
 XX
 PF 06-APR-2001; 2001WO-IB000713.
 XX
 PR 07-APR-2000; 2000DE-01019173.

XX (EPIG-) EPIGENOMICS AG.
 PA
 PI Olek A, Piepenbrock C, Berlin K;
 XX
 DR WPI; 2001-657177/75.

XX Set of oligonucleotides, useful for diagnosis and cell typing, is
 PT designed to detect single-nucleotide polymorphisms and cytosine
 PT methylation status.
 XX
 PS Claim 1; SEQ ID NO 314990; 29pp + Sequence Listing; German.

XX This invention describes novel oligonucleotide primers or peptide nucleic
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
 CC and cytosine methylation status in chemically pretreated genomic DNA. The
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
 CC range of diseases including immune system, gastrointestinal, respiratory,
 CC central nervous system, cardiovascular and metabolic disorders. The
 CC oligomers are also used for detecting cell type differentiation. ABC00010
 CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
 CC represent the oligomers described in the invention. NOTE: The sequence
 CC data for this patent did not form part of the printed specification, but
 CC was obtained in electronic format from WIPO at
 CC ftp.wipo.int/pub/published_pct_sequences
 XX
 SQ Sequence 12 BP; 4 A; 5 C; 1 G; 2 T; 0 U; 0 Other;

Query Match 12.3%; Score 9; DB 1; Length 12;
 Best Local Similarity 100.0%; Pred. No. 1.4e+03;
 Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 960 CTACCAACG 968
 |||||
 Db 1 CTACCAACG 9

RESULT 2626
 ABI42550/C
 ID ABI42550 standard; DNA; 12 BP.
 XX
 AC ABI42550;
 XX
 DT 22-FEB-2002 (first entry)
 XX
 DE Oligonucleotide primer SEQ ID NO 342523 for detecting SNP TSC0042585.

XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
 KW

KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
 KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
 XX Homo sapiens.
 XX WO200177384-A2.
 XX 18-OCT-2001.
 XX 06-APR-2001; 2001WO-IB000713.
 XX 07-APR-2000; 2000DE-01019173.
 XX (EPIG-) EPIGENOMICS AG.
 XX Olek A, Piepenbrock C, Berlin K;
 XX WPI; 2001-657177/75.
 XX Set of oligonucleotides, useful for diagnosis and cell typing, is
 PT designed to detect single-nucleotide polymorphisms and cytosine
 PT methylation status.
 XX Claim 1; SEQ ID NO 342523; 29pp + Sequence Listing; German.
 XX This invention describes novel oligonucleotide primers or peptide nucleic
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
 CC and cytosine methylation status in chemically pretreated genomic DNA. The
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
 CC range of diseases including immune system, gastrointestinal, respiratory,
 CC central nervous system, cardiovascular and metabolic disorders. The
 CC oligomers are also used for detecting cell type differentiation. ABC00010
 CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABJ00010-ABJ82073
 CC represent the oligomers described in the invention. NOTE: the sequence
 CC data for this patent did not form part of the printed specification, but
 CC was obtained in electronic format from WIPO at
 CC ftp.wipo.int/pub/published_pct_sequences
 XX SQ Sequence 12 BP; 8 A; 0 C; 1 G; 3 T; 0 U; 0 Other;
 Query Match 12.3%; Score 9; DB 1; Length 12;
 Best Local Similarity 100.0%; Pred. No. 1.4e+03;
 Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
 QY 907 ATTTCTTT 915
 DB 9 ATTTCTTT 1
 RESULT 2627
 ABI67406
 ID ABI67406 standard; DNA; 12 BP.
 XX ABI67406;
 XX 22-FEB-2002 (first entry)
 XX Oligonucleotide primer SEQ ID NO 367379 for detecting SNP TSC0056307.
 XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
 KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
 KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
 XX Homo sapiens.
 XX WO200177384-A2.
 XX 18-OCT-2001.
 XX 06-APR-2001; 2001WO-IB000713.
 XX 07-APR-2000; 2000DE-01019173.

PA (EPIG-) EPIGENOMICS AG.
 XX Olek A, Piepenbrock C, Berlin K;
 XX WPI; 2001-657177/75.
 XX Set of oligonucleotides, useful for diagnosis and cell typing, is
 PT designed to detect single-nucleotide polymorphisms and cytosine
 PT methylation status.
 XX Claim 1; SEQ ID NO 367379; 29pp + Sequence Listing; German.
 XX This invention describes novel oligonucleotide primers or peptide nucleic
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
 CC and cytosine methylation status in chemically pretreated genomic DNA. The
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
 CC range of diseases including immune system, gastrointestinal, respiratory,
 CC central nervous system, cardiovascular and metabolic disorders. The
 CC oligomers are also used for detecting cell type differentiation. ABC00010
 CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABJ00010-ABJ82073
 CC represent the oligomers described in the invention. NOTE: The sequence
 CC data for this patent did not form part of the printed specification, but
 CC was obtained in electronic format from WIPO at
 CC ftp.wipo.int/pub/published_pct_sequences
 XX SQ Sequence 12 BP; 4 A; 0 C; 2 G; 6 T; 0 U; 0 Other;
 Query Match 12.3%; Score 9; DB 1; Length 12;
 Best Local Similarity 100.0%; Pred. No. 1.4e+03;
 Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
 QY 943 ATTGGTTTA 951
 DB 3 ATTGGTTTA 11
 RESULT 2628
 ABI67441/c
 ID ABI67441 standard; DNA; 12 BP.
 XX ABI67441;
 XX 22-FEB-2002 (first entry)
 XX Oligonucleotide primer SEQ ID NO 367414 for detecting SNP TSC0007715.
 XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
 KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
 KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
 XX Homo sapiens.
 XX WO200177384-A2.
 XX 18-OCT-2001.
 XX 06-APR-2001; 2001WO-IB000713.
 XX 07-APR-2000; 2000DE-01019173.
 XX (EPIG-) EPIGENOMICS AG.
 XX Olek A, Piepenbrock C, Berlin K;
 XX WPI; 2001-657177/75.
 XX Set of oligonucleotides, useful for diagnosis and cell typing, is
 PT designed to detect single-nucleotide polymorphisms and cytosine
 PT methylation status.
 XX Claim 1; SEQ ID NO 367414; 29pp + Sequence Listing; German.
 XX This invention describes novel oligonucleotide primers or peptide nucleic

CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
 CC and cytosine methylation status in chemically pretreated genomic DNA. The
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
 CC range of diseases including immune system, gastrointestinal, respiratory,
 CC central nervous system, cardiovascular and metabolic disorders. The
 CC oligomers are also used for detecting cell type differentiation. ABC00010
 CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
 CC represent the oligomers described in the invention. NOTE: The sequence
 CC data for this patent did not form part of the printed specification, but
 CC was obtained in electronic format from WIPO at
 CC ftp.wipo.int/pub/published_pct_sequences
 XX
 XX Sequence 12 BP; 7 A; 0 C; 3 G; 2 T; 0 U; 0 Other;

Query Match 12.3%; Score 9; DB 1; Length 12;
 Best Local Similarity 100.0%; Pred. No. 1.4e+03;
 Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 905 TCATTTTCT 913
 Db 9 TCATTTTCT 1

RESULT 2629
 ABI58942/c
 ID ABI58942 standard; DNA; 12 BP.
 XX AC ABI58942;
 XX DT 22-FEB-2002 (first entry)
 XX DE Oligonucleotide primer SEQ ID NO 358915 for detecting SNP TSC0051377.

XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
 KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
 KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
 XX
 XX Homo sapiens.

OS WO200177384-A2.
 PN 18-OCT-2001.

XX PD 06-APR-2001; 2001WO-IB000713.
 XX PF 07-APR-2000; 2000DE-01019173.

XX PR (EPIG-) EPIGENOMICS AG.
 XX PA Olek A, Piepenbrock C, Berlin K;

XX PI WPI; 2001-657177/75.
 XX DR Set of oligonucleotides, useful for diagnosis and cell typing, is
 PT designed to detect single-nucleotide polymorphisms and cytosine
 PT methylation status.

XX PS Claim 1; SEQ ID NO 358915; 29pp + Sequence Listing; German.
 XX This invention describes novel oligonucleotide primers or peptide nucleic
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
 CC and cytosine methylation status in chemically pretreated genomic DNA. The
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
 CC range of diseases including immune system, gastrointestinal, respiratory,
 CC central nervous system, cardiovascular and metabolic disorders. The
 CC oligomers are also used for detecting cell type differentiation. ABC00010
 CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
 CC represent the oligomers described in the invention. NOTE: The sequence
 CC data for this patent did not form part of the printed specification, but
 CC was obtained in electronic format from WIPO at
 CC ftp.wipo.int/pub/published_pct_sequences
 XX

XX Sequence 12 BP; 5 A; 2 C; 0 G; 5 T; 0 U; 0 Other;

Query Match 12.3%; Score 9; DB 1; Length 12;
 Best Local Similarity 100.0%; Pred. No. 1.4e+03;
 Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 905 TCATTTTCT 913
 Db 9 TCATTTTCT 1

Query Match 12.3%; Score 9; DB 1; Length 12;
 Best Local Similarity 100.0%; Pred. No. 1.4e+03;
 Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 948 TTTAATGTA 956
 Db 12 TTTAATGTA 4

RESULT 2630
 ABI81717
 ID ABI81717 standard; DNA; 12 BP.

XX AC ABI81717;
 XX DT 22-FEB-2002 (first entry)
 XX DE Oligonucleotide primer SEQ ID NO 381690 for detecting SNP TSC0064487.

XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
 KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
 KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
 XX
 XX Homo sapiens.

OS WO200177384-A2.
 PN 18-OCT-2001.

XX PD 06-APR-2001; 2001WO-IB000713.
 XX PF 07-APR-2000; 2000DE-01019173.

XX PR (EPIG-) EPIGENOMICS AG.
 XX PA Olek A, Piepenbrock C, Berlin K;

XX PI WPI; 2001-657177/75.
 XX DR Set of oligonucleotides, useful for diagnosis and cell typing, is
 PT designed to detect single-nucleotide polymorphisms and cytosine
 PT methylation status.

XX PS Claim 1; SEQ ID NO 381690; 29pp + Sequence Listing; German.
 XX This invention describes novel oligonucleotide primers or peptide nucleic
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
 CC and cytosine methylation status in chemically pretreated genomic DNA. The
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
 CC range of diseases including immune system, gastrointestinal, respiratory,
 CC central nervous system, cardiovascular and metabolic disorders. The
 CC oligomers are also used for detecting cell type differentiation. ABC00010
 CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
 CC represent the oligomers described in the invention. NOTE: The sequence
 CC data for this patent did not form part of the printed specification, but
 CC was obtained in electronic format from WIPO at
 CC ftp.wipo.int/pub/published_pct_sequences
 XX

XX Sequence 12 BP; 2 A; 4 C; 0 G; 6 T; 0 U; 0 Other;

Query Match 12.3%; Score 9; DB 1; Length 12;
 Best Local Similarity 100.0%; Pred. No. 1.4e+03;
 Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 927 TTTATCCCT 935
 Db 4 TTTATCCCT 12

RESULT 2631
 ABI19671/c
 ID ABI19671 standard; DNA; 12 BP.

XX AC AB119671;
XX DT 22-FEB-2002 (first entry)
XX DE Oligonucleotide primer SEQ ID NO 319644 for detecting SNP TSC0029341.
XX KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX OS Homo sapiens.
XX PN WO200177384-A2.
XX PD 18-OCT-2001.
XX PF 06-APR-2001; 2001WO-IB000713.
XX PR 07-APR-2000; 2000DE-01019173.
XX PA (EPIG-) EPIGENOMICS AG.
XX PI Olek A, Piepenbrock C, Berlin K;
XX PI WPI; 2001-657177/75.
XX PT Set of oligonucleotides, useful for diagnosis and cell typing, is
XX PT designed to detect single-nucleotide polymorphisms and cytosine
XX PT methylation status.
XX PS Claim 1; SEQ ID NO 319644; 29pp + Sequence Listing; German.
XX CC This invention describes novel oligonucleotide primers or peptide nucleic
XX CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
XX CC and cytosine methylation status in chemically pretreated genomic DNA. The
XX CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
XX CC range of diseases including immune system, gastrointestinal, respiratory,
XX CC central nervous system, cardiovascular and metabolic disorders. The
XX CC oligomers are also used for detecting cell type differentiation. ABC00010
XX CC -ASC99989, ABP00010-ABP99989, ABH00010-ABH99989 and ABI00010-ABI82073
XX CC represent the oligomers described in the invention. NOTE: The sequence
XX CC data for this patent did not form part of the printed specification, but
XX CC was obtained in electronic format from WIPO at
XX CC ftp.wipo.int/pub/published_pct_sequences
XX SQ Sequence 12 BP; 3 A; 2 C; 1 G; 6 T; 0 U; 0 Other;
XX
XX Query Match 12.3%; Score 9; DB 1; Length 12;
XX Best Local Similarity 100.0%; Pred. No. 1.4e+03;
XX Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
XX
XX QY 951 AATGATATCG 959
XX DB 10 AATGATATCG 2
XX
XX RESULT 2632
XX ID ABI04178/c
XX AC ABI04178 standard; DNA; 12 BP.
XX
XX DT 22-FEB-2002 (first entry)
XX DE Oligonucleotide primer SEQ ID NO 304151 for detecting SNP TSC0020798.
XX KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX OS Homo sapiens.
XX
XX PN WO200177384-A2.
XX PD 18-OCT-2001.
XX PF 06-APR-2001; 2001WO-IB000713.
XX PR 07-APR-2000; 2000DE-01019173.
XX PA (EPIG-) EPIGENOMICS AG.
XX PI Olek A, Piepenbrock C, Berlin K;
XX PI WPI; 2001-657177/75.
XX PT Set of oligonucleotides, useful for diagnosis and cell typing, is
XX PT designed to detect single-nucleotide polymorphisms and cytosine
XX PT methylation status.
XX PS Claim 1; SEQ ID NO 319644; 29pp + Sequence Listing; German.
XX CC This invention describes novel oligonucleotide primers or peptide nucleic
XX CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
XX CC and cytosine methylation status in chemically pretreated genomic DNA. The
XX CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
XX CC range of diseases including immune system, gastrointestinal, respiratory,
XX CC central nervous system, cardiovascular and metabolic disorders. The
XX CC oligomers are also used for detecting cell type differentiation. ABC00010
XX CC -ASC99989, ABP00010-ABP99989, ABH00010-ABH99989 and ABI00010-ABI82073
XX CC represent the oligomers described in the invention. NOTE: The sequence
XX CC data for this patent did not form part of the printed specification, but
XX CC was obtained in electronic format from WIPO at
XX CC ftp.wipo.int/pub/published_pct_sequences
XX SQ Sequence 12 BP; 3 A; 2 C; 1 G; 6 T; 0 U; 0 Other;
XX
XX Query Match 12.3%; Score 9; DB 1; Length 12;
XX Best Local Similarity 100.0%; Pred. No. 1.4e+03;
XX Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
XX
XX QY 951 AATGATATCG 959
XX DB 10 AATGATATCG 2
XX
XX RESULT 2632
XX ID ABI04178/c
XX AC ABI04178 standard; DNA; 12 BP.
XX
XX DT 22-FEB-2002 (first entry)
XX DE Oligonucleotide primer SEQ ID NO 304151 for detecting SNP TSC0020798.
XX KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX OS Homo sapiens.
XX
XX PN WO200177384-A2.
XX PD 18-OCT-2001.
XX PF 06-APR-2001; 2001WO-IB000713.
XX PR 07-APR-2000; 2000DE-01019173.
XX PA (EPIG-) EPIGENOMICS AG.
XX PI Olek A, Piepenbrock C, Berlin K;
XX PI WPI; 2001-657177/75.
XX PT Set of oligonucleotides, useful for diagnosis and cell typing, is
XX PT designed to detect single-nucleotide polymorphisms and cytosine
XX PT methylation status.
XX PS Claim 1; SEQ ID NO 304151; 29pp + Sequence Listing; German.
XX CC This invention describes novel oligonucleotide primers or peptide nucleic
XX CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
XX CC and cytosine methylation status in chemically pretreated genomic DNA. The
XX CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
XX CC range of diseases including immune system, gastrointestinal, respiratory,
XX CC central nervous system, cardiovascular and metabolic disorders. The
XX CC oligomers are also used for detecting cell type differentiation. ABC00010
XX CC -ASC99989, ABP00010-ABP99989, ABH00010-ABH99989 and ABI00010-ABI82073
XX CC represent the oligomers described in the invention. NOTE: The sequence
XX CC data for this patent did not form part of the printed specification, but
XX CC was obtained in electronic format from WIPO at
XX CC ftp.wipo.int/pub/published_pct_sequences
XX SQ Sequence 12 BP; 6 A; 0 C; 6 G; 0 T; 0 U; 0 Other;
XX
XX Query Match 12.3%; Score 9; DB 1; Length 12;
XX Best Local Similarity 100.0%; Pred. No. 1.4e+03;
XX Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
XX
XX QY 934 CTCCTCTTC 942
XX DB 12 CTCCTCTTC 4
XX
XX RESULT 2633
XX ID ABI04592/c
XX AC ABI04592;
XX DT 22-FEB-2002 (first entry)
XX DE Oligonucleotide primer SEQ ID NO 304565 for detecting SNP TSC0020999.
XX KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX OS Homo sapiens.
XX PN WO200177384-A2.
XX PD 18-OCT-2001.
XX PF 06-APR-2001; 2001WO-IB000713.
XX PR 07-APR-2000; 2000DE-01019173.
XX PA (EPIG-) EPIGENOMICS AG.
XX PI Olek A, Piepenbrock C, Berlin K;
XX PI WPI; 2001-657177/75.
XX DR

PN WO200177384-A2.
XX 18-OCT-2001.
XX 06-APR-2001; 2001WO-IB000713.
XX 07-APR-2000; 2000DE-01019173.
XX (EPIG-) EPIGENOMICS AG.
XX Olek A, Piepenbrock C, Berlin K;
XX WPI; 2001-657177/75.
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
XX designed to detect single-nucleotide polymorphisms and cytosine
XX methylation status.
XX Claim 1; SEQ ID NO 304151; 29pp + Sequence Listing; German.
XX This invention describes novel oligonucleotide primers or peptide nucleic
XX acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
XX and cytosine methylation status in chemically pretreated genomic DNA. The
XX oligonucleotides are used for diagnosis and/or prognosis of cancer and a
XX range of diseases including immune system, gastrointestinal, respiratory,
XX central nervous system, cardiovascular and metabolic disorders. The
XX oligomers are also used for detecting cell type differentiation. ABC00010
XX -ASC99989, ABP00010-ABP99989, ABH00010-ABH99989 and ABI00010-ABI82073
XX represent the oligomers described in the invention. NOTE: The sequence
XX data for this patent did not form part of the printed specification, but
XX was obtained in electronic format from WIPO at
XX ftp.wipo.int/pub/published_pct_sequences
XX SQ Sequence 12 BP; 6 A; 0 C; 6 G; 0 T; 0 U; 0 Other;
XX
XX Query Match 12.3%; Score 9; DB 1; Length 12;
XX Best Local Similarity 100.0%; Pred. No. 1.4e+03;
XX Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
XX
XX QY 934 CTCCTCTTC 942
XX DB 12 CTCCTCTTC 4
XX
XX RESULT 2633
XX ID ABI04592/c
XX AC ABI04592;
XX DT 22-FEB-2002 (first entry)
XX DE Oligonucleotide primer SEQ ID NO 304565 for detecting SNP TSC0020999.
XX KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX OS Homo sapiens.
XX PN WO200177384-A2.
XX PD 18-OCT-2001.
XX PF 06-APR-2001; 2001WO-IB000713.
XX PR 07-APR-2000; 2000DE-01019173.
XX PA (EPIG-) EPIGENOMICS AG.
XX PI Olek A, Piepenbrock C, Berlin K;
XX PI WPI; 2001-657177/75.
XX DR

XX Set of oligonucleotides, useful for diagnosis and cell typing, is
 PT designed to detect single-nucleotide polymorphisms and cytosine
 PT methylation status.

XX Claim 1; SEQ ID NO 304565; 29pp + Sequence Listing; German.

XX This invention describes novel oligonucleotide primers or peptide nucleic
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
 CC and cytosine methylation status in chemically pretreated genomic DNA. The
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
 CC range of diseases including immune system, gastrointestinal, respiratory,
 CC central nervous system, cardiovascular and metabolic disorders. The
 CC oligomers are also used for detecting cell type differentiation. ABC00010
 CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
 CC represent the oligomers described in the invention. NOTE: The sequence
 CC data for this patent did not form part of the printed specification, but
 CC was obtained in electronic format from WIPO at
 CC ftp.wipo.int/pub/published_pct_sequences

XX Sequence 12 BP; 7 A; 3 C; 0 G; 2 T; 0 U; 0 Other;

Query Match 12.3%; Score 9; DB 1; Length 12;
 Best Local Similarity 100.0%; Pred. No. 1.4e+03;
 Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 943 ATTGGTTTA 951

Db 9 ATTGGTTTA 1

RESULT 2634

ABI39603/C
 ID ABI39603 standard; DNA; 12 BP.

AC ABI39603;

DT 22-FEB-2002 (first entry)

XX Oligonucleotide primer SEQ ID NO 339576 for detecting SNP TSC0041078.

XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
 KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
 KW central nervous system; gastrointestinal; respiratory; immune; metabolic.

XX Homo sapiens.

XX WO200177384-A2.

XX 18-OCT-2001.

XX 06-APR-2001; 2001WO-IB000713.

XX 07-APR-2000; 2000DE-01019173.

XX (EPIG-) EPIGENOMICS AG.

XX Olek A, Piepenbrock C, Berlin K;

XX WPI; 2001-657177/75.

XX Set of oligonucleotides, useful for diagnosis and cell typing, is
 PT designed to detect single-nucleotide polymorphisms and cytosine
 PT methylation status.

XX Claim 1; SEQ ID NO 339576; 29pp + Sequence Listing; German.

XX This invention describes novel oligonucleotide primers or peptide nucleic
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
 CC and cytosine methylation status in chemically pretreated genomic DNA. The
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
 CC range of diseases including immune system, gastrointestinal, respiratory,
 CC central nervous system, cardiovascular and metabolic disorders. The

CC oligomers are also used for detecting cell type differentiation. ABC00010
 CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
 CC represent the oligomers described in the invention. NOTE: The sequence
 CC data for this patent did not form part of the printed specification, but
 CC was obtained in electronic format from WIPO at
 CC ftp.wipo.int/pub/published_pct_sequences

XX Sequence 12 BP; 7 A; 1 C; 2 G; 2 T; 0 U; 0 Other;

Query Match 12.3%; Score 9; DB 1; Length 12;
 Best Local Similarity 100.0%; Pred. No. 1.4e+03;
 Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 907 ATTTCTTT 915

Db 9 ATTTCTTT 1

RESULT 2635

ABI40616/C
 ID ABI40616 standard; DNA; 12 BP.

XX ABI40616;

XX 22-FEB-2002 (first entry)

XX Oligonucleotide primer SEQ ID NO 340589 for detecting SNP TSC0007423.

XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
 KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
 KW central nervous system; gastrointestinal; respiratory; immune; metabolic.

XX Homo sapiens.

XX WO200177384-A2.

XX 18-OCT-2001.

XX 06-APR-2001; 2001WO-IB000713.

XX 07-APR-2000; 2000DE-01019173.

XX (EPIG-) EPIGENOMICS AG.

XX Olek A, Piepenbrock C, Berlin K;

XX WPI; 2001-657177/75.

XX Set of oligonucleotides, useful for diagnosis and cell typing, is
 PT designed to detect single-nucleotide polymorphisms and cytosine
 PT methylation status.

XX Claim 1; SEQ ID NO 340589; 29pp + Sequence Listing; German.

XX This invention describes novel oligonucleotide primers or peptide nucleic
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
 CC and cytosine methylation status in chemically pretreated genomic DNA. The
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
 CC range of diseases including immune system, gastrointestinal, respiratory,
 CC central nervous system, cardiovascular and metabolic disorders. The
 CC oligomers are also used for detecting cell type differentiation. ABC00010
 CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
 CC represent the oligomers described in the invention. NOTE: The sequence
 CC data for this patent did not form part of the printed specification, but
 CC was obtained in electronic format from WIPO at
 CC ftp.wipo.int/pub/published_pct_sequences

XX Sequence 12 BP; 5 A; 0 C; 3 G; 4 T; 0 U; 0 Other;

Query Match 12.3%; Score 9; DB 1; Length 12;
 Best Local Similarity 100.0%; Pred. No. 1.4e+03;
 Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

XX PR 07-APR-2000; 2000DE-01019173.
 XX PA (EPIG-) EPIGENOMICS AG.
 XX PI Olek A, Piepenbrock C, Berlin K;
 XX DR WPI; 2001-657177/75.
 XX Set of oligonucleotides, useful for diagnosis and cell typing, is
 PT designed to detect single-nucleotide polymorphisms and cytosine
 PT methylation status.
 XX Claim 1; SEQ ID NO 364347; 29pp + Sequence Listing; German.
 XX This invention describes novel oligonucleotide primers or peptide nucleic
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
 CC and cytosine methylation status in chemically pretreated genomic DNA. The
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
 CC range of diseases including immune system, gastrointestinal, respiratory,
 CC central nervous system, cardiovascular and metabolic disorders. The
 CC oligomers are also used for detecting cell type differentiation. ABC00010
 CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
 CC represent the oligomers described in the invention. NOTE: The sequence
 CC data for this patent did not form part of the printed specification, but
 CC was obtained in electronic format from WIPO at
 CC ftp.wipo.int/pub/published_pct_sequences
 XX Sequence 12 BP; 4 A; 0 C; 1 G; 7 T; 0 U; 0 Other;
 Query Match 12.3%; Score 9; DB 1; Length 12;
 Best Local Similarity 100.0%; Pred. No. 1.4e+03; Mismatches 0; Indels 0; Gaps 0;
 Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
 QY 948 TTTAATGTA 956
 DB 4 TTTAATGTA 12
 RESULT 2639
 ABH67943
 ID ABH67943 standard; DNA; 12 BP.
 AC ABH67943;
 XX 22-FEB-2002 (first entry)
 DE Oligonucleotide primer SEQ ID NO 267920 for detecting SNP TSC0000690.
 KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
 KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
 KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
 XX Homo sapiens.
 OS
 XX WO200177384-A2.
 PN 18-OCT-2001.
 PD
 XX 06-APR-2001; 2001WO-IB000713.
 PF
 XX 07-APR-2000; 2000DE-01019173.
 PR (EPIG-) EPIGENOMICS AG.
 PA Olek A, Piepenbrock C, Berlin K;
 PI WPI; 2001-657177/75.
 XX Set of oligonucleotides, useful for diagnosis and cell typing, is
 PT designed to detect single-nucleotide polymorphisms and cytosine
 PT methylation status.

PS Claim 1; SEQ ID NO 267920; 29pp + Sequence Listing; German.
 XX This invention describes novel oligonucleotide primers or peptide nucleic
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
 CC and cytosine methylation status in chemically pretreated genomic DNA. The
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
 CC range of diseases including immune system, gastrointestinal, respiratory,
 CC central nervous system, cardiovascular and metabolic disorders. The
 CC oligomers are also used for detecting cell type differentiation. ABC00010
 CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
 CC represent the oligomers described in the invention. NOTE: The sequence
 CC data for this patent did not form part of the printed specification, but
 CC was obtained in electronic format from WIPO at
 CC ftp.wipo.int/pub/published_pct_sequences
 XX Sequence 12 BP; 2 A; 0 C; 4 G; 6 T; 0 U; 0 Other;
 Query Match 12.3%; Score 9; DB 1; Length 12;
 Best Local Similarity 100.0%; Pred. No. 1.4e+03; Mismatches 0; Indels 0; Gaps 0;
 Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
 QY 943 ATTGGTTTA 951
 DB 2 ATTGGTTTA 10
 RESULT 2640
 ABH71914
 ID ABH71914 standard; DNA; 12 BP.
 AC ABH71914;
 XX 22-FEB-2002 (first entry)
 DE Oligonucleotide primer SEQ ID NO 271891 for detecting SNP TSC0002645.
 KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
 KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
 KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
 XX Homo sapiens.
 OS
 XX WO200177384-A2.
 PN 18-OCT-2001.
 PD
 XX 06-APR-2001; 2001WO-IB000713.
 PF
 XX 07-APR-2000; 2000DE-01019173.
 PR (EPIG-) EPIGENOMICS AG.
 PA Olek A, Piepenbrock C, Berlin K;
 PI WPI; 2001-657177/75.
 XX Set of oligonucleotides, useful for diagnosis and cell typing, is
 PT designed to detect single-nucleotide polymorphisms and cytosine
 PT methylation status.
 XX Claim 1; SEQ ID NO 271891; 29pp + Sequence Listing; German.
 XX This invention describes novel oligonucleotide primers or peptide nucleic
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
 CC and cytosine methylation status in chemically pretreated genomic DNA. The
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
 CC range of diseases including immune system, gastrointestinal, respiratory,
 CC central nervous system, cardiovascular and metabolic disorders. The
 CC oligomers are also used for detecting cell type differentiation. ABC00010
 CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
 CC represent the oligomers described in the invention. NOTE: The sequence
 CC data for this patent did not form part of the printed specification, but
 CC was obtained in electronic format from WIPO at

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CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 12 BP; 3 A; 3 C; 0 G; 6 T; 0 U; 0 Other;

Query Match      12.3%; Score 9; DB 1; Length 12;
Best Local Similarity 100.0%; Pred. No. 1.4e+03;
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 926 TTTTATCCC 934
DB 3 TTTTATCCC 11

RESULT 2641
ABI03735/C
ID ABI03735 standard; DNA; 12 BP.
XX
AC ABI03735;
XX
DT 22-FEB-2002 (first entry)
XX
DE Oligonucleotide primer SEQ ID NO 303708 for detecting SNP TSC0020612.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
FN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
DR WPI; 2001-657177/75.
XX
PT Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
PS Claim 1; SEQ ID NO 303708; 29pp + Sequence Listing; German.
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 12 BP; 5 A; 1 C; 6 G; 0 T; 0 U; 0 Other;

Query Match      12.3%; Score 9; DB 1; Length 12;
Best Local Similarity 100.0%; Pred. No. 1.4e+03;
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 933 CCTCCTCTT 941
DB 12 CCTCCTCTT 4

RESULT 2642
ABR79870
ID ABR79870 standard; DNA; 12 BP.
XX
AC ABR79870;
XX
DT 22-FEB-2002 (first entry)
XX
DE Oligonucleotide primer SEQ ID NO 279863 for detecting SNP TSC0007882.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
FN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
DR WPI; 2001-657177/75.
XX
PT Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
PS Claim 1; SEQ ID NO 279863; 29pp + Sequence Listing; German.
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 12 BP; 2 A; 0 C; 4 G; 6 T; 0 U; 0 Other;

Query Match      12.3%; Score 9; DB 1; Length 12;
Best Local Similarity 100.0%; Pred. No. 1.4e+03;
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 947 GTTTAATGT 955
DB 1 GTTTAATGT 9

RESULT 2643
ABI35849/C
ID ABI35849 standard; DNA; 12 BP.
XX
AC ABI35849;
XX
DT 22-FEB-2002 (first entry)
XX
DE Oligonucleotide primer SEQ ID NO 335822 for detecting SNP TSC0039042.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.

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OS Homo sapiens.
 PN WO200177384-A2.
 XX 18-OCT-2001.
 XX 06-APR-2001; 2001WO-IB000713.
 XX 07-APR-2000; 2000DE-01019173.
 XX (EPIG-) EPIGENOMICS AG.
 PI Olek A, Piepenbrock C, Berlin K;
 XX WPI; 2001-657177/75.
 XX Set of oligonucleotides, useful for diagnosis and cell typing, is
 PT designed to detect single-nucleotide polymorphisms and cytosine
 PT methylation status.
 XX Claim 1; SEQ ID NO 351809; 29pp + Sequence Listing; German.
 CC This invention describes novel oligonucleotide primers or peptide nucleic
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
 CC and cytosine methylation status in chemically pretreated genomic DNA. The
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
 CC range of diseases including immune system, gastrointestinal, respiratory,
 CC central nervous system, cardiovascular and metabolic disorders. The
 CC oligomers are also used for detecting cell type differentiation. ABC00010
 CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
 CC represent the oligomers described in the invention. NOTE: The sequence
 CC data for this patent did not form part of the printed specification, but
 CC was obtained in electronic format from WIPO at
 CC ftp.wipo.int/pub/published_pct_sequences
 XX Sequence 12 BP; 7 A; 1 C; 0 G; 4 T; 0 U; 0 Other;
 CC Query Match 12.3%; Score 9; DB 1; Length 12;
 CC Best Local Similarity 100.0%; Pred. No. 1.4e+03;
 CC Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
 QY 949 TTAATGTAT 957
 DB 10 TTAATGTAT 2
 |||||
 |||||
 RESULT 2644
 ABI51836
 ID ABI51836 standard; DNA; 12 BP.
 XX ABI51836;
 AC ABI51836;
 XX 22-FEB-2002 (first entry)
 DE Oligonucleotide primer SEQ ID NO 351809 for detecting SNP TSC0047500.
 XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
 KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
 KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
 XX Homo sapiens.
 OS Homo sapiens.
 PN WO200177384-A2.
 XX 18-OCT-2001.
 XX 06-APR-2001; 2001WO-IB000713.
 XX 07-APR-2000; 2000DE-01019173.
 XX (EPIG-) EPIGENOMICS AG.

PI Olek A, Piepenbrock C, Berlin K;
 XX WPI; 2001-657177/75.
 XX Set of oligonucleotides, useful for diagnosis and cell typing, is
 PT designed to detect single-nucleotide polymorphisms and cytosine
 PT methylation status.
 XX Claim 1; SEQ ID NO 351809; 29pp + Sequence Listing; German.
 CC This invention describes novel oligonucleotide primers or peptide nucleic
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
 CC and cytosine methylation status in chemically pretreated genomic DNA. The
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
 CC range of diseases including immune system, gastrointestinal, respiratory,
 CC central nervous system, cardiovascular and metabolic disorders. The
 CC oligomers are also used for detecting cell type differentiation. ABC00010
 CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
 CC represent the oligomers described in the invention. NOTE: The sequence
 CC data for this patent did not form part of the printed specification, but
 CC was obtained in electronic format from WIPO at
 CC ftp.wipo.int/pub/published_pct_sequences
 XX Sequence 12 BP; 3 A; 0 C; 3 G; 6 T; 0 U; 0 Other;
 CC Query Match 12.3%; Score 9; DB 1; Length 12;
 CC Best Local Similarity 100.0%; Pred. No. 1.4e+03;
 CC Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
 QY 943 ATTGGTTTA 951
 DB 4 ATTGGTTTA 12
 |||||
 |||||
 RESULT 2645
 ABI69523/c
 ID ABI69523 standard; DNA; 12 BP.
 XX ABI69523;
 AC ABI69523;
 XX 22-FEB-2002 (first entry)
 DE Oligonucleotide primer SEQ ID NO 369496 for detecting SNP TSC0057666.
 XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
 KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
 KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
 XX Homo sapiens.
 OS Homo sapiens.
 PN WO200177384-A2.
 XX 18-OCT-2001.
 XX 06-APR-2001; 2001WO-IB000713.
 XX 07-APR-2000; 2000DE-01019173.
 XX (EPIG-) EPIGENOMICS AG.
 PI Olek A, Piepenbrock C, Berlin K;
 XX WPI; 2001-657177/75.
 XX Set of oligonucleotides, useful for diagnosis and cell typing, is
 PT designed to detect single-nucleotide polymorphisms and cytosine
 PT methylation status.
 XX Claim 1; SEQ ID NO 369496; 29pp + Sequence Listing; German.
 CC This invention describes novel oligonucleotide primers or peptide nucleic
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
 CC and cytosine methylation status in chemically pretreated genomic DNA. The
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
 CC range of diseases including immune system, gastrointestinal, respiratory,
 CC central nervous system, cardiovascular and metabolic disorders. The
 CC oligomers are also used for detecting cell type differentiation. ABC00010
 CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
 CC represent the oligomers described in the invention. NOTE: The sequence
 CC data for this patent did not form part of the printed specification, but
 CC was obtained in electronic format from WIPO at
 CC ftp.wipo.int/pub/published_pct_sequences

CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
 CC range of diseases including immune system, gastrointestinal, respiratory,
 CC central nervous system, cardiovascular and metabolic disorders. The
 CC oligomers are also used for detecting cell type differentiation. ABC00010
 CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
 CC represent the oligomers described in the invention. NOTE: The sequence
 CC data for this patent did not form part of the printed specification, but
 CC was obtained in electronic format from WIPO at
 CC ftp.wipo.int/pub/published_pct_sequences
 CC
 SQ Sequence 12 BP; 7 A; 0 C; 4 G; 1 T; 0 U; 0 Other;

Query Match 12.3%; Score 9; DB 1; Length 12;
 Best Local Similarity 100.0%; Pred. No. 1.4e+03;
 Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 905 TCATTCT 913
 DB 10 TCATTCT 2
 |||||

RESULT 2646
 ABI56686/c
 ID ABI56686 standard; DNA; 12 BP.
 XX
 AC ABI56686;
 XX
 DT 22-FEB-2002 (first entry)
 XX
 DE Oligonucleotide primer SEQ ID NO 356659 for detecting SNP TSC0050240.
 XX
 KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
 KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
 KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
 XX
 OS Homo sapiens.
 XX
 PN WO200177384-A2.
 XX
 PD 18-OCT-2001.
 XX
 PF 06-APR-2001; 2001WO-IB000713.
 XX
 PR 07-APR-2000; 2000DE-01019173.
 XX
 PA (EPIG-) EPIGENOMICS AG.
 XX
 PI Olek A, Piepenbrock C, Berlin K;
 XX
 DR WPI; 2001-657177/75.
 XX
 PT Set of oligonucleotides, useful for diagnosis and cell typing, is
 PT designed to detect single-nucleotide polymorphisms and cytosine
 PT methylation status.
 XX
 PS Claim 1; SEQ ID NO 356659; 29pp + Sequence Listing; German.
 XX
 CC This invention describes novel oligonucleotide primers or peptide nucleic
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
 CC and cytosine methylation status in chemically pretreated genomic DNA. The
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
 CC range of diseases including immune system, gastrointestinal, respiratory,
 CC central nervous system, cardiovascular and metabolic disorders. The
 CC oligomers are also used for detecting cell type differentiation. ABC00010
 CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
 CC represent the oligomers described in the invention. NOTE: The sequence
 CC data for this patent did not form part of the printed specification, but
 CC was obtained in electronic format from WIPO at
 CC ftp.wipo.int/pub/published_pct_sequences
 CC
 SQ Sequence 12 BP; 5 A; 3 C; 0 G; 4 T; 0 U; 0 Other;

Query Match 12.3%; Score 9; DB 1; Length 12;
 Best Local Similarity 100.0%; Pred. No. 1.4e+03;
 Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 905 TCATTCT 913
 DB 10 TCATTCT 2
 |||||

RESULT 2646
 ABI56686/c
 ID ABI56686 standard; DNA; 12 BP.
 XX
 AC ABI56686;
 XX
 DT 22-FEB-2002 (first entry)
 XX
 DE Oligonucleotide primer SEQ ID NO 356659 for detecting SNP TSC0050240.
 XX
 KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
 KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
 KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
 XX
 OS Homo sapiens.
 XX
 PN WO200177384-A2.
 XX
 PD 18-OCT-2001.
 XX
 PF 06-APR-2001; 2001WO-IB000713.
 XX
 PR 07-APR-2000; 2000DE-01019173.
 XX
 PA (EPIG-) EPIGENOMICS AG.
 XX
 PI Olek A, Piepenbrock C, Berlin K;
 XX
 DR WPI; 2001-657177/75.
 XX
 PT Set of oligonucleotides, useful for diagnosis and cell typing, is
 PT designed to detect single-nucleotide polymorphisms and cytosine
 PT methylation status.
 XX
 PS Claim 1; SEQ ID NO 356659; 29pp + Sequence Listing; German.
 XX
 CC This invention describes novel oligonucleotide primers or peptide nucleic
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
 CC and cytosine methylation status in chemically pretreated genomic DNA. The
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
 CC range of diseases including immune system, gastrointestinal, respiratory,
 CC central nervous system, cardiovascular and metabolic disorders. The
 CC oligomers are also used for detecting cell type differentiation. ABC00010
 CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
 CC represent the oligomers described in the invention. NOTE: The sequence
 CC data for this patent did not form part of the printed specification, but
 CC was obtained in electronic format from WIPO at
 CC ftp.wipo.int/pub/published_pct_sequences
 CC
 SQ Sequence 12 BP; 5 A; 3 C; 0 G; 4 T; 0 U; 0 Other;

Query Match 12.3%; Score 9; DB 1; Length 12;
 Best Local Similarity 100.0%; Pred. No. 1.4e+03;
 Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 943 ATTGGTTTA 951
 DB 12 ATTGGTTTA 4
 |||||

RESULT 2647
 ABI70789/c
 ID ABI70789 standard; DNA; 12 BP.
 XX
 AC ABI70789;
 XX
 DT 22-FEB-2002 (first entry)
 XX
 DE Oligonucleotide primer SEQ ID NO 370762 for detecting SNP TSC0059378.
 XX
 KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
 KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
 KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
 XX
 OS Homo sapiens.
 XX
 PN WO200177384-A2.
 XX
 PD 18-OCT-2001.
 XX
 PF 06-APR-2001; 2001WO-IB000713.
 XX
 PR 07-APR-2000; 2000DE-01019173.
 XX
 PA (EPIG-) EPIGENOMICS AG.
 XX
 PI Olek A, Piepenbrock C, Berlin K;
 XX
 DR WPI; 2001-657177/75.
 XX
 PT Set of oligonucleotides, useful for diagnosis and cell typing, is
 PT designed to detect single-nucleotide polymorphisms and cytosine
 PT methylation status.
 XX
 PS Claim 1; SEQ ID NO 370762; 29pp + Sequence Listing; German.
 XX
 CC This invention describes novel oligonucleotide primers or peptide nucleic
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
 CC and cytosine methylation status in chemically pretreated genomic DNA. The
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
 CC range of diseases including immune system, gastrointestinal, respiratory,
 CC central nervous system, cardiovascular and metabolic disorders. The
 CC oligomers are also used for detecting cell type differentiation. ABC00010
 CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
 CC represent the oligomers described in the invention. NOTE: The sequence
 CC data for this patent did not form part of the printed specification, but
 CC was obtained in electronic format from WIPO at
 CC ftp.wipo.int/pub/published_pct_sequences
 CC
 SQ Sequence 12 BP; 5 A; 1 C; 0 G; 6 T; 0 U; 0 Other;

Query Match 12.3%; Score 9; DB 1; Length 12;
 Best Local Similarity 100.0%; Pred. No. 1.4e+03;
 Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 948 TTTAATGTA 956
 DB 10 TTTAATGTA 2
 |||||

RESULT 2648
 ABI60817
 ID ABI60817 standard; DNA; 12 BP.
 XX
 AC ABI60817;

XX DT 22-FEB-2002 (first entry)
 XX DE Oligonucleotide primer SEQ ID NO 360790 for detecting SNP TSC0052292.
 XX KW SNP, single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
 XX KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
 XX KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
 XX OS Homo sapiens.
 XX PN WO200177384-A2.
 XX PD 18-OCT-2001.
 XX PF 06-APR-2001; 2001WO-IB000713.
 XX PR 07-APR-2000; 2000DE-01019173.
 XX PA (EPIG-) EPIGENOMICS AG.
 XX PI Olek A, Piepenbrock C, Berlin K;
 XX DR WPI; 2001-657177/75.
 XX PT Set of oligonucleotides, useful for diagnosis and cell typing, is
 XX PT designed to detect single-nucleotide polymorphisms and cytosine
 XX PT methylation status.
 XX PS Claim 1; SEQ ID NO 360790; 29pp + Sequence Listing; German.
 XX CC This invention describes novel oligonucleotide primers or peptide nucleic
 XX CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
 XX CC and cytosine methylation status in chemically pretreated genomic DNA. The
 XX CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
 XX CC range of diseases including immune system, gastrointestinal, respiratory,
 XX CC central nervous system, cardiovascular and metabolic disorders. The
 XX CC oligomers are also used for detecting cell type differentiation. ABC00010
 XX CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
 XX CC represent the oligomers described in the invention. NOTE: The sequence
 XX CC data for this patent did not form part of the printed specification, but
 XX CC was obtained in electronic format from WIPO at
 XX CC ftp.wipo.int/pub/published_pct_sequences
 XX QY Sequence 12 BP; 4 A; 3 C; 0 G; 5 T; 0 U; 0 Other;
 CC Query Match 12.3%; Score 9; DB 1; Length 12;
 CC Best Local Similarity 100.0%; Pred. No. 1.4e+03; Mismatches 0; Gaps 0;
 CC Matches 9; Conservative 0; Indels 0; Indels 0; Gaps 0;
 QY 927 TTTATCCCT 935
 DB 2 TTTATCCCT 10
 RESULT 2649
 ABI75739/c
 ID ABI75739 standard; DNA; 12 BP.
 AC ABI75739;
 XX 22-FEB-2002 (first entry)
 DE Oligonucleotide primer SEQ ID NO 375712 for detecting SNP TSC0061401.
 XX KW SNP, single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
 XX KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
 XX KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
 XX OS Homo sapiens.
 XX PN WO200177384-A2.
 XX PD 18-OCT-2001.
 XX PF 06-APR-2001; 2001WO-IB000713.
 XX PR 07-APR-2000; 2000DE-01019173.
 XX PA (EPIG-) EPIGENOMICS AG.
 XX PI Olek A, Piepenbrock C, Berlin K;
 XX DR WPI; 2001-657177/75.
 XX PT Set of oligonucleotides, useful for diagnosis and cell typing, is
 XX PT designed to detect single-nucleotide polymorphisms and cytosine
 XX PT methylation status.
 XX PS Claim 1; SEQ ID NO 375712; 29pp + Sequence Listing; German.
 XX CC This invention describes novel oligonucleotide primers or peptide nucleic
 XX CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
 XX CC and cytosine methylation status in chemically pretreated genomic DNA. The
 XX CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
 XX CC range of diseases including immune system, gastrointestinal, respiratory,
 XX CC central nervous system, cardiovascular and metabolic disorders. The
 XX CC oligomers are also used for detecting cell type differentiation. ABC00010
 XX CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
 XX CC represent the oligomers described in the invention. NOTE: The sequence
 XX CC data for this patent did not form part of the printed specification, but
 XX CC was obtained in electronic format from WIPO at
 XX CC ftp.wipo.int/pub/published_pct_sequences
 XX QY Sequence 12 BP; 4 A; 3 C; 0 G; 5 T; 0 U; 0 Other;
 CC Query Match 12.3%; Score 9; DB 1; Length 12;
 CC Best Local Similarity 100.0%; Pred. No. 1.4e+03; Mismatches 0; Gaps 0;
 CC Matches 9; Conservative 0; Indels 0; Indels 0; Gaps 0;
 QY 927 TTTATCCCT 935
 DB 2 TTTATCCCT 10
 RESULT 2649
 ABI75739/c
 ID ABI75739 standard; DNA; 12 BP.
 AC ABI75739;
 XX 22-FEB-2002 (first entry)
 DE Oligonucleotide primer SEQ ID NO 375712 for detecting SNP TSC0061401.
 XX KW SNP, single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
 XX KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
 XX KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
 XX OS Homo sapiens.
 XX PN WO200177384-A2.
 XX PD 18-OCT-2001.
 XX PF 06-APR-2001; 2001WO-IB000713.
 XX PR 07-APR-2000; 2000DE-01019173.
 XX PA (EPIG-) EPIGENOMICS AG.
 XX PI Olek A, Piepenbrock C, Berlin K;
 XX DR WPI; 2001-657177/75.
 XX PT Set of oligonucleotides, useful for diagnosis and cell typing, is

PD 18-OCT-2001.
 XX 06-APR-2001; 2001WO-IB000713.
 XX 07-APR-2000; 2000DE-01019173.
 XX (EPIG-) EPIGENOMICS AG.
 XX Olek A, Piepenbrock C, Berlin K;
 XX WPI; 2001-657177/75.
 XX Set of oligonucleotides, useful for diagnosis and cell typing, is
 XX designed to detect single-nucleotide polymorphisms and cytosine
 XX methylation status.
 XX Claim 1; SEQ ID NO 375712; 29pp + Sequence Listing; German.
 XX This invention describes novel oligonucleotide primers or peptide nucleic
 XX acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
 XX and cytosine methylation status in chemically pretreated genomic DNA. The
 XX oligonucleotides are used for diagnosis and/or prognosis of cancer and a
 XX range of diseases including immune system, gastrointestinal, respiratory,
 XX central nervous system, cardiovascular and metabolic disorders. The
 XX oligomers are also used for detecting cell type differentiation. ABC00010
 XX -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
 XX represent the oligomers described in the invention. NOTE: The sequence
 XX data for this patent did not form part of the printed specification, but
 XX was obtained in electronic format from WIPO at
 XX ftp.wipo.int/pub/published_pct_sequences
 XX QY Sequence 12 BP; 6 A; 3 C; 0 G; 3 T; 0 U; 0 Other;
 CC Query Match 12.3%; Score 9; DB 1; Length 12;
 CC Best Local Similarity 100.0%; Pred. No. 1.4e+03; Mismatches 0; Gaps 0;
 CC Matches 9; Conservative 0; Indels 0; Indels 0; Gaps 0;
 QY 944 TTGGTTAA 952
 DB 10 TTGGTTAA 2
 RESULT 2650
 ABI76254/c
 ID ABI76254 standard; DNA; 12 BP.
 AC ABI76254;
 XX 22-FEB-2002 (first entry)
 DE Oligonucleotide primer SEQ ID NO 376227 for detecting SNP TSC0061694.
 XX KW SNP, single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
 XX KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
 XX KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
 XX OS Homo sapiens.
 XX PN WO200177384-A2.
 XX PD 18-OCT-2001.
 XX 06-APR-2001; 2001WO-IB000713.
 XX 07-APR-2000; 2000DE-01019173.
 XX (EPIG-) EPIGENOMICS AG.
 XX Olek A, Piepenbrock C, Berlin K;
 XX WPI; 2001-657177/75.
 XX Set of oligonucleotides, useful for diagnosis and cell typing, is

PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
PS Claim 1; SEQ ID NO 376227; 29pp + Sequence Listing; German.
XX
XX This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 12 BP; 6 A; 0 C; 3 G; 3 T; 0 U; 0 Other;

Query Match 12.3%; Score 9; DB 1; Length 12;
Best Local Similarity 100.0%; Pred. No. 1.4e+03; Indels 0; Gaps 0;
Matches 9; Conservative 0; Mismatches 0;

Qy 906 CATTTCCT 914
Db 12 CATTTCCT 4
|||||
|

RESULT 2651
ABI66743/C
ID ABI66743 standard; DNA; 12 BP.
XX
AC ABI66743;
XX
DT 22-FEB-2002 (first entry)
XX
DE Oligonucleotide primer SEQ ID NO 366716 for detecting SNP TSC0055935.
XX
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
FN WO200177384-A2.
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
DR WPI; 2001-657177/75.
XX
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
PS Claim 1; SEQ ID NO 366716; 29pp + Sequence Listing; German.
XX
XX This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 12 BP; 6 A; 0 C; 3 G; 3 T; 0 U; 0 Other;

Query Match 12.3%; Score 9; DB 1; Length 12;
Best Local Similarity 100.0%; Pred. No. 1.4e+03; Indels 0; Gaps 0;
Matches 9; Conservative 0; Mismatches 0;

Qy 906 CATTTCCT 914
Db 12 CATTTCCT 4
|||||
|

RESULT 2652
ABI17700
ID ABI17700 standard; DNA; 12 BP.
XX
AC ABI17700;
XX
DT 22-FEB-2002 (first entry)
XX
DE Oligonucleotide primer SEQ ID NO 317673 for detecting SNP TSC0028164.
XX
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
FN WO200177384-A2.
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
DR WPI; 2001-657177/75.
XX
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
PS Claim 1; SEQ ID NO 317673; 29pp + Sequence Listing; German.
XX
XX This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 12 BP; 3 A; 6 C; 1 G; 2 T; 0 U; 0 Other;

Query Match 12.3%; Score 9; DB 1; Length 12;
Best Local Similarity 100.0%; Pred. No. 1.4e+03; Indels 0; Gaps 0;
Matches 9; Conservative 0; Mismatches 0;

Qy 958 CGTACAA 966
|||||
|

Db 4 CGCTACCAA 12

RESULT 2653

ABH70316

ID ABH70316 standard; DNA; 12 BP.

XX AC ABH70316;

XX DT 22-FEB-2002 (first entry)

XX DE Oligonucleotide primer SEQ ID NO 270293 for detecting SNP TSC0002077.

XX KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;

XX KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;

XX KW central nervous system; gastrointestinal; respiratory; immune; metabolic.

XX OS Homo sapiens.

XX PN WO200177384-A2.

XX PD 18-OCT-2001.

XX PF 06-APR-2001; 2001WO-IB000713.

XX PR 07-APR-2000; 2000DE-01019173.

XX PA (EPIG-) EPIGENOMICS AG.

XX PI Olek A, Piepenbrock C, Berlin K;

XX WPI; 2001-657177/75.

XX Set of oligonucleotides, useful for diagnosis and cell typing, is designed to detect single-nucleotide polymorphisms and cytosine methylation status.

XX Claim 1; SEQ ID NO 270293; 29pp + Sequence Listing; German.

XX This invention describes novel oligonucleotide primers or peptide nucleic acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP) and cytosine methylation status in chemically pretreated genomic DNA. The oligonucleotides are used for diagnosis and/or prognosis of cancer and a range of diseases including immune system, gastrointestinal, respiratory, central nervous system, cardiovascular and metabolic disorders. The oligomers are also used for detecting cell type differentiation. ASC00010 -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073 represent the oligomers described in the invention. NOTE: The sequence data for this patent did not form part of the printed specification, but was obtained in electronic format from WIPO at ftp.wipo.int/pub/published_pct_sequences

XX Sequence 12 BP; 3 A; 0 C; 3 G; 6 T; 0 U; 0 Other;

Query Match 12.3%; Score 9; DB 1; Length 12;

Best Local Similarity 100.0%; Pred. No. 1.4e+03;

Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 945 TGGTTTAAAT 953

DB 4 TGGTTTAAAT 12

RESULT 2654

ABH77224

ID ABH77224 standard; DNA; 12 BP.

XX AC ABH77224;

XX DT 22-FEB-2002 (first entry)

XX DE Oligonucleotide primer SEQ ID NO 277217 for detecting SNP TSC0004409.

KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;

KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;

KW central nervous system; gastrointestinal; respiratory; immune; metabolic.

OS Homo sapiens.

XX WO200177384-A2.

XX PD 18-OCT-2001.

XX PF 06-APR-2001; 2001WO-IB000713.

XX PR 07-APR-2000; 2000DE-01019173.

XX PA (EPIG-) EPIGENOMICS AG.

XX PI Olek A, Piepenbrock C, Berlin K;

XX WPI; 2001-657177/75.

XX Set of oligonucleotides, useful for diagnosis and cell typing, is designed to detect single-nucleotide polymorphisms and cytosine methylation status.

XX Claim 1; SEQ ID NO 277217; 29pp + Sequence Listing; German.

XX This invention describes novel oligonucleotide primers or peptide nucleic acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP) and cytosine methylation status in chemically pretreated genomic DNA. The oligonucleotides are used for diagnosis and/or prognosis of cancer and a range of diseases including immune system, gastrointestinal, respiratory, central nervous system, cardiovascular and metabolic disorders. The oligomers are also used for detecting cell type differentiation. ASC00010 -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073 represent the oligomers described in the invention. NOTE: The sequence data for this patent did not form part of the printed specification, but was obtained in electronic format from WIPO at ftp.wipo.int/pub/published_pct_sequences

XX Sequence 12 BP; 5 A; 0 C; 1 G; 6 T; 0 U; 0 Other;

Query Match 12.3%; Score 9; DB 1; Length 12;

Best Local Similarity 100.0%; Pred. No. 1.4e+03;

Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 949 TTAATGTAT 957

DB 1 TTAATGTAT 9

RESULT 2655

ABH78593

ID ABH78593 standard; DNA; 12 BP.

XX AC ABH78593;

XX DT 22-FEB-2002 (first entry)

XX DE Oligonucleotide primer SEQ ID NO 278596 for detecting SNP TSC0006163.

XX KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;

XX KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;

XX KW central nervous system; gastrointestinal; respiratory; immune; metabolic.

XX OS Homo sapiens.

XX PN WO200177384-A2.

XX PD 18-OCT-2001.

XX PF 06-APR-2001; 2001WO-IB000713.

XX PR 07-APR-2000; 2000DE-01019173.

XX (EPIG-) EPIGENOMICS AG.
XX Olek A, Piepenbrock C, Berlin K;
XX WPI; 2001-657177/75.
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
XX designed to detect single-nucleotide polymorphisms and cytosine
XX methylation status.
XX Claim 1; SEQ ID NO 278586; 29pp + Sequence Listing; German.
XX This invention describes novel oligonucleotide primers or peptide nucleic
XX acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
XX and cytosine methylation status in chemically pretreated genomic DNA. The
XX oligonucleotides are used for diagnosis and/or prognosis of cancer and a
XX range of diseases including immune system, gastrointestinal, respiratory,
XX central nervous system, cardiovascular and metabolic disorders. The
XX oligomers are also used for detecting cell type differentiation. ABC00010
XX -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
XX represent the oligomers described in the invention. NOTE: The sequence
XX data for this patent did not form part of the printed specification, but
XX was obtained in electronic format from WIPO at
XX ftp.wipo.int/pub/published_pct_sequences
XX Sequence 12 BP; 3 A; 3 C; 0 G; 6 T; 0 U; 0 Other;
XX Query Match 12.3%; Score 9; DB 1; Length 12;
XX Best Local Similarity 100.0%; Pred. No. 1.4e+03;
XX Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 924 CCTTTATC 932
DB 1 CCTTTATC 9
RESULT 2656
ABI04774/C
ID ABI04774 standard; DNA; 12 BP.
AC ABI04774;
XX 22-FEB-2002 (first entry)
XX Oligonucleotide primer SEQ ID NO 304747 for detecting SNP TSC0021084.
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX Homo sapiens.
XX WO200177384-A2.
XX 18-OCT-2001.
XX 06-APR-2001; 2001WO-IB000713.
XX 07-APR-2000; 2000DE-01019173.
XX (EPIG-) EPIGENOMICS AG.
XX Olek A, Piepenbrock C, Berlin K;
XX WPI; 2001-657177/75.
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
XX designed to detect single-nucleotide polymorphisms and cytosine
XX methylation status.
XX Claim 1; SEQ ID NO 304747; 29pp + Sequence Listing; German.

CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX Sequence 12 BP; 6 A; 4 C; 0 G; 2 T; 0 U; 0 Other;
XX Query Match 12.3%; Score 9; DB 1; Length 12;
XX Best Local Similarity 100.0%; Pred. No. 1.4e+03;
XX Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 943 ATTTGTTTA 951
DB 11 ATTTGTTTA 3
RESULT 2657
ABI34418
ID ABI34418 standard; DNA; 12 BP.
AC ABI34418;
XX 22-FEB-2002 (first entry)
XX Oligonucleotide primer SEQ ID NO 334391 for detecting SNP TSC0039121.
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX Homo sapiens.
XX WO200177384-A2.
XX 18-OCT-2001.
XX 06-APR-2001; 2001WO-IB000713.
XX 07-APR-2000; 2000DE-01019173.
XX (EPIG-) EPIGENOMICS AG.
XX Olek A, Piepenbrock C, Berlin K;
XX WPI; 2001-657177/75.
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
XX designed to detect single-nucleotide polymorphisms and cytosine
XX methylation status.
XX Claim 1; SEQ ID NO 334391; 29pp + Sequence Listing; German.
XX This invention describes novel oligonucleotide primers or peptide nucleic
XX acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
XX and cytosine methylation status in chemically pretreated genomic DNA. The
XX oligonucleotides are used for diagnosis and/or prognosis of cancer and a
XX range of diseases including immune system, gastrointestinal, respiratory,
XX central nervous system, cardiovascular and metabolic disorders. The
XX oligomers are also used for detecting cell type differentiation. ABC00010
XX -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
XX represent the oligomers described in the invention. NOTE: The sequence
XX data for this patent did not form part of the printed specification, but
XX was obtained in electronic format from WIPO at
XX ftp.wipo.int/pub/published_pct_sequences
XX

```

SQ      Sequence 12 BP; 3 A; 0 C; 3 G; 6 T; 0 U; 0 Other;
      Query Match      12.3%; Score 9; DB 1; Length 12;
      Best Local Similarity 100.0%; Pred. No. 1.4e+03;
      Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      944 TTGGTTTAA 952
DB      1 TTGGTTTAA 9

RESULT 2658
ABI12055/c
ID      ABI12055 standard; DNA; 12 BP.
XX
AC      ABI12055;
XX
XX
DT      22-FEB-2002 (first entry)
XX
DE      Oligonucleotide primer SEQ ID NO 312028 for detecting SNP TSC0024810.
XX
XX      SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW      peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW      central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
XX      Homo sapiens.
OS
XX      WO200177384-A2.
PN
XX
XX      18-OCT-2001.
PD
XX
XX      06-APR-2001; 2001WO-IB000713.
PF
XX
XX      07-APR-2000; 2000DE-01019173.
PR
XX
XX      (EPIG-) EPIGENOMICS AG.
PA
XX      Olek A, Piepenbrock C, Berlin K;
PI
XX      WPI; 2001-657177/75.
DR
XX
XX      Set of oligonucleotides, useful for diagnosis and cell typing, is
PT      designed to detect single-nucleotide polymorphisms and cytosine
PT      methylation status.
XX
XX      Claim 1; SEQ ID NO 312028; 29pp + Sequence Listing; German.
XX
XX      This invention describes novel oligonucleotide primers or peptide nucleic
CC      acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC      and cytosine methylation status in chemically pretreated genomic DNA. The
CC      oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC      range of diseases including immune system, gastrointestinal, respiratory,
CC      central nervous system, cardiovascular and metabolic disorders. The
CC      oligomers are also used for detecting cell type differentiation. ABC00010
CC      -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC      represent the oligomers described in the invention. NOTE: The sequence
CC      data for this patent did not form part of the printed specification, but
CC      was obtained in electronic format from WIPO at
CC      ftp.wipo.int/pub/published_pct_sequences
XX
XX      Sequence 12 BP; 3 A; 0 C; 3 G; 6 T; 0 U; 0 Other;
      Query Match      12.3%; Score 9; DB 1; Length 12;
      Best Local Similarity 100.0%; Pred. No. 1.4e+03;
      Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      932 CCTCTCTCT 940
DB      9 CCTCTCTCT 1

RESULT 2659
ABH90122
ID      ABH90122 standard; DNA; 12 BP.
XX
AC      ABH90122;
XX
XX      22-FEB-2002 (first entry)
DT
DE      Oligonucleotide primer SEQ ID NO 290115 for detecting SNP TSC0014219.
XX
XX      SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW      peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW      central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
XX      Homo sapiens.
OS
XX      WO200177384-A2.
PN
XX
XX      18-OCT-2001.
PD
XX
XX      06-APR-2001; 2001WO-IB000713.
PF
XX
XX      07-APR-2000; 2000DE-01019173.
PR
XX
XX      (EPIG-) EPIGENOMICS AG.
PA
XX      Olek A, Piepenbrock C, Berlin K;
PI
XX      WPI; 2001-657177/75.
DR
XX
XX      Set of oligonucleotides, useful for diagnosis and cell typing, is
PT      designed to detect single-nucleotide polymorphisms and cytosine
PT      methylation status.
XX
XX      Claim 1; SEQ ID NO 290115; 29pp + Sequence Listing; German.
XX
XX      This invention describes novel oligonucleotide primers or peptide nucleic
CC      acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC      and cytosine methylation status in chemically pretreated genomic DNA. The
CC      oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC      range of diseases including immune system, gastrointestinal, respiratory,
CC      central nervous system, cardiovascular and metabolic disorders. The
CC      oligomers are also used for detecting cell type differentiation. ABC00010
CC      -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC      represent the oligomers described in the invention. NOTE: The sequence
CC      data for this patent did not form part of the printed specification, but
CC      was obtained in electronic format from WIPO at
CC      ftp.wipo.int/pub/published_pct_sequences
XX
XX      Sequence 12 BP; 3 A; 0 C; 3 G; 6 T; 0 U; 0 Other;
      Query Match      12.3%; Score 9; DB 1; Length 12;
      Best Local Similarity 100.0%; Pred. No. 1.4e+03;
      Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      944 TTGGTTTAA 952
DB      1 TTGGTTTAA 9

RESULT 2660
ABI68285
ID      ABI68285 standard; DNA; 12 BP.
XX
AC      ABI68285;
XX
XX      22-FEB-2002 (first entry)
DT
DE      Oligonucleotide primer SEQ ID NO 368258 for detecting SNP TSC006995.
XX
XX      SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW      peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW      central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
XX      Homo sapiens.
OS

```

XX WO200177384-A2.
PN 18-OCT-2001.
PD 06-APR-2001; 2001WO-IB000713.
PF 07-APR-2000; 2000DE-01019173.
PR (EPIG-) EPIGENOMICS AG.
PS Olek A, Piepenbrock C, Berlin K;
PI WPI; 2001-657177/75.
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX Claim 1; SEQ ID NO 368258; 29pp + Sequence Listing; German.
XX This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABP00010-ABP99989, ABH00010-ABH99989 and AB100010-AB182073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX Sequence 12 BP; 3 A; 0 C; 4 G; 5 T; 0 U; 0 Other;
SQ
Query Match 12.3%; Score 9; DB 1; Length 12;
Best Local Similarity 100.0%; Pred. No. 1.4e+03; Indels 0; Gaps 0;
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 944 TTGGTTTAA 952
Db 4 TTGGTTTAA 12
|||||||
RESULT 2661
ABI57929/c
ID ABI57929 standard; DNA; 12 BP.
AC ABI57929;
XX
DT 22-FEB-2002 (first entry)
DE
XX Oligonucleotide primer SEQ ID NO 357902 for detecting SNP TSC0050863.
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX Homo sapiens.
XX WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX

DR WPI; 2001-657177/75.
XX
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX Claim 1; SEQ ID NO 357902; 29pp + Sequence Listing; German.
XX This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABP00010-ABP99989, ABH00010-ABH99989 and AB100010-AB182073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX Sequence 12 BP; 5 A; 0 C; 6 G; 1 T; 0 U; 0 Other;
SQ
Query Match 12.3%; Score 9; DB 1; Length 12;
Best Local Similarity 100.0%; Pred. No. 1.4e+03; Indels 0; Gaps 0;
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 934 CTCCTCTTC 942
Db 9 CTCCTCTTC 1
|||||||
RESULT 2662
ABI64177/c
ID ABI64177 standard; DNA; 12 BP.
XX
AC ABI64177;
XX
DT 22-FEB-2002 (first entry)
DE
XX Oligonucleotide primer SEQ ID NO 364150 for detecting SNP TSC0054303.
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX Homo sapiens.
XX WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
XX WPI; 2001-657177/75.
XX
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX Claim 1; SEQ ID NO 364150; 29pp + Sequence Listing; German.
XX This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABP00010-ABP99989, ABH00010-ABH99989 and AB100010-AB182073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX

CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences

XX
SQ Sequence 12 BP; 4 A; 0 C; 5 G; 3 T; 0 U; 0 Other;

Query Match 12.3%; Score 9; DB 1; Length 12;
Best Local Similarity 100.0%; Pred. No. 1.4e+03;
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 935 TCCTCTTCA 943
DB 12 TCCTCTTCA 4

RESULT 2663
ABH73634
ID ABH73634 standard; DNA; 12 BP.
XX
AC ABH73634;
XX
DT 22-FEB-2002 (first entry)
XX
DE Oligonucleotide primer SEQ ID NO 273619 for detecting SNP TSC0003249.
XX
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
XX Homo sapiens.
XX
XX WO200177384-A2.
XX
XX 18-OCT-2001.
XX
XX 06-APR-2001; 2001WO-IB000713.
XX
XX 07-APR-2000; 2000DE-01019173.
XX
XX (EPITG-) EPIGENOMICS AG.
XX
XX Olek A, Piepenbrock C, Berlin K;
XX
XX WPI; 2001-657177/75.
XX
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
XX Claim 1; SEQ ID NO 273619; 29pp + Sequence Listing; German.

CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences

XX
SQ Sequence 12 BP; 3 A; 0 C; 1 G; 8 T; 0 U; 0 Other;

Query Match 12.3%; Score 9; DB 1; Length 12;
Best Local Similarity 100.0%; Pred. No. 1.4e+03;
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 947 GTTTAATGT 955
DB 10 GTTTAATGT 2

RESULT 2665
ABH78946/c
ID ABH78946 standard; DNA; 12 BP.
XX
AC ABH78946;
XX
DT 22-FEB-2002 (first entry)

QY 948 TTTAATGTA 956
DB 4 TTTAATGTA 12

RESULT 2664
ABH74794/c
ID ABH74794 standard; DNA; 12 BP.
XX
AC ABH74794;
XX
DT 22-FEB-2002 (first entry)
XX
DE Oligonucleotide primer SEQ ID NO 274779 for detecting SNP TSC0003673.
XX
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
XX Homo sapiens.
XX
XX WO200177384-A2.
XX
XX 18-OCT-2001.
XX
XX 06-APR-2001; 2001WO-IB000713.
XX
XX 07-APR-2000; 2000DE-01019173.
XX
XX (EPIG-) EPIGENOMICS AG.
XX
XX Olek A, Piepenbrock C, Berlin K;
XX
XX WPI; 2001-657177/75.
XX
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
XX Claim 1; SEQ ID NO 274779; 29pp + Sequence Listing; German.

CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences

XX
SQ Sequence 12 BP; 6 A; 3 C; 0 G; 3 T; 0 U; 0 Other;

Query Match 12.3%; Score 9; DB 1; Length 12;
Best Local Similarity 100.0%; Pred. No. 1.4e+03;
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 947 GTTTAATGT 955
DB 10 GTTTAATGT 2

RESULT 2665
ABH78946/c
ID ABH78946 standard; DNA; 12 BP.
XX
AC ABH78946;
XX
DT 22-FEB-2002 (first entry)


```

XX DE Oligonucleotide primer SEQ ID NO 278939 for detecting SNP TSC006650.
XX DE
XX DE SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX OS
XX OS Homo sapiens.
XX PN WO200177384-A2.
XX PD 18-OCT-2001.
XX XX
XX PF 06-APR-2001; 2001WO-IB000713.
XX PR
XX PR (EPIG-) EPIGENOMICS AG.
XX PA
XX PI Olek A, Piepenbrock C, Berlin K;
XX DR WPI; 2001-657177/75.
XX XX
XX XX Set of oligonucleotides, useful for diagnosis and cell typing, is
XX PT designed to detect single-nucleotide polymorphisms and cytosine
XX PT methylation status.
XX XX
XX PS Claim 1; SEQ ID NO 278939; 29pp + Sequence Listing; German.
XX XX
XX CC This invention describes novel oligonucleotide primers or peptide nucleic
XX CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
XX CC and cytosine methylation status in chemically pretreated genomic DNA. The
XX CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
XX CC range of diseases including immune system, gastrointestinal, respiratory,
XX CC central nervous system, cardiovascular and metabolic disorders. The
XX CC oligomers are also used for detecting cell type differentiation. ABC00010
XX CC -ABC99989, ABP00010-ABF99989, ABH00010-ABH99989 and AB100010-AB182073
XX CC represent the oligomers described in the invention. NOTE: The sequence
XX CC data for this patent did not form part of the printed specification, but
XX CC was obtained in electronic format from WIPO at
XX CC ftp.wipo.int/pub/published_pct_sequences
XX XX
XX SQ Sequence 12 BP; 7 A; 2 C; 0 G; 3 T; 0 U; 0 Other;
XX
XX Query Match 12.3%; Score 9; DB 1; Length 12;
XX Best Local Similarity 100.0%; Pred. No. 1.4e+03;
XX Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
XX
XX QY 943 ATTGGTTTA 951
XX Db 9 ATTGGTTTA 1
XX
XX RESULT 2666
XX ABI08267
XX ID ABI08267 standard; DNA; 12 BP.
XX AC
XX AC ABI08267;
XX XX
XX DT 22-FEB-2002 (first entry)
XX XX
XX DE Oligonucleotide primer SEQ ID NO 308240 for detecting SNP TSC0022922.
XX DE
XX DE SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX XX
XX OS Homo sapiens.
XX OS
XX PN WO200177384-A2.
XX PD 18-OCT-2001.
XX XX

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PF PF 06-APR-2001; 2001WO-IB000713.
XX XX
XX PR 07-APR-2000; 2000DE-01019173.
XX XX
XX PA (EPIG-) EPIGENOMICS AG.
XX XX
XX PI Olek A, Piepenbrock C, Berlin K;
XX XX
XX DR WPI; 2001-657177/75.
XX XX
XX XX Set of oligonucleotides, useful for diagnosis and cell typing, is
XX PT designed to detect single-nucleotide polymorphisms and cytosine
XX PT methylation status.
XX XX
XX PS Claim 1; SEQ ID NO 308240; 29pp + Sequence Listing; German.
XX XX
XX CC This invention describes novel oligonucleotide primers or peptide nucleic
XX CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
XX CC and cytosine methylation status in chemically pretreated genomic DNA. The
XX CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
XX CC range of diseases including immune system, gastrointestinal, respiratory,
XX CC central nervous system, cardiovascular and metabolic disorders. The
XX CC oligomers are also used for detecting cell type differentiation. ABC00010
XX CC -ABC99989, ABP00010-ABF99989, ABH00010-ABH99989 and AB100010-AB182073
XX CC represent the oligomers described in the invention. NOTE: The sequence
XX CC data for this patent did not form part of the printed specification, but
XX CC was obtained in electronic format from WIPO at
XX CC ftp.wipo.int/pub/published_pct_sequences
XX XX
XX SQ Sequence 12 BP; 2 A; 5 C; 0 G; 5 T; 0 U; 0 Other;
XX
XX Query Match 12.3%; Score 9; DB 1; Length 12;
XX Best Local Similarity 100.0%; Pred. No. 1.4e+03;
XX Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
XX
XX QY 934 CTCCTCTTC 942
XX Db 4 CTCCTCTTC 12
XX
XX RESULT 2667
XX ABI40627/C
XX ID ABI40627 standard; DNA; 12 BP.
XX AC
XX AC ABI40627;
XX XX
XX DT 22-FEB-2002 (first entry)
XX XX
XX DE Oligonucleotide primer SEQ ID NO 340600 for detecting SNP TSC0041605.
XX DE
XX DE SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX XX
XX OS Homo sapiens.
XX OS
XX PN WO200177384-A2.
XX PD 18-OCT-2001.
XX XX
XX PF 06-APR-2001; 2001WO-IB000713.
XX PR
XX PR 07-APR-2000; 2000DE-01019173.
XX XX
XX PA (EPIG-) EPIGENOMICS AG.
XX XX
XX PI Olek A, Piepenbrock C, Berlin K;
XX XX
XX DR WPI; 2001-657177/75.
XX XX
XX XX Set of oligonucleotides, useful for diagnosis and cell typing, is
XX PT designed to detect single-nucleotide polymorphisms and cytosine
XX PT methylation status.
XX XX

```

XX PS Claim 1; SEQ ID NO 340600; 29pp + Sequence Listing; German.

XX CC This invention describes novel oligonucleotide primers or peptide nucleic acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP) and cytosine methylation status in chemically pretreated genomic DNA. The oligonucleotides are used for diagnosis and/or prognosis of cancer and a range of diseases including immune system, gastrointestinal, respiratory, central nervous system, cardiovascular and metabolic disorders. The oligomers are also used for detecting cell type differentiation. ABC00010 -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073 represent the oligomers described in the invention. NOTE: The sequence data for this patent did not form part of the printed specification, but was obtained in electronic format from WIPO at ftp.wipo.int/pub/published_pct_sequences

XX SQ Sequence 12 BP; 7 A; 0 C; 2 G; 3 T; 0 U; 0 Other;

Query Match 12.3%; Score 9; DB 1; Length 12;
Best Local Similarity 100.0%; Pred. No. 1.4e+03;
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 907 ATTTCCTTT 915
DB 11 ATTTCCTTT 3

RESULT 2668
ABI15627/c
ID ABI15627 standard; DNA; 12 BP.

XX AC ABI15627;

XX DT 22-FEB-2002 (first entry)

XX DE Oligonucleotide primer SEQ ID NO 315600 for detecting SNP TSC0026985.

XX KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS; peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss; central nervous system; gastrointestinal; respiratory; immune; metabolic.

XX OS Homo sapiens.

XX PN WO200177384-A2.

XX PD 18-OCT-2001.

XX PF 06-APR-2001; 2001WO-IB000713.

XX PR 07-APR-2000; 2000DE-01019173.

XX PA (EPIG-) EPIGENOMICS AG.

XX PI Olek A, Piepenbrock C, Berlin K;

XX WPI; 2001-657177/75.

XX Set of oligonucleotides, useful for diagnosis and cell typing, is designed to detect single-nucleotide polymorphisms and cytosine methylation status.

XX PS Claim 1; SEQ ID NO 315600; 29pp + Sequence Listing; German.

XX CC This invention describes novel oligonucleotide primers or peptide nucleic acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP) and cytosine methylation status in chemically pretreated genomic DNA. The oligonucleotides are used for diagnosis and/or prognosis of cancer and a range of diseases including immune system, gastrointestinal, respiratory, central nervous system, cardiovascular and metabolic disorders. The oligomers are also used for detecting cell type differentiation. ABC00010 -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073 represent the oligomers described in the invention. NOTE: The sequence data for this patent did not form part of the printed specification, but was obtained in electronic format from WIPO at ftp.wipo.int/pub/published_pct_sequences

CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences

XX SQ Sequence 12 BP; 3 A; 0 C; 8 G; 1 T; 0 U; 0 Other;

Query Match 12.3%; Score 9; DB 1; Length 12;
Best Local Similarity 100.0%; Pred. No. 1.4e+03;
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 932 CCCTCTCTCT 940
DB 9 CCCTCTCTCT 1

RESULT 2669
ABI44988/c
ID ABI44988 standard; DNA; 12 BP.

XX AC ABI44988;

XX DT 22-FEB-2002 (first entry)

XX DE Oligonucleotide primer SEQ ID NO 344961 for detecting SNP TSC0043801.

XX KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS; peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss; central nervous system; gastrointestinal; respiratory; immune; metabolic.

XX OS Homo sapiens.

XX PN WO200177384-A2.

XX PD 18-OCT-2001.

XX PF 06-APR-2001; 2001WO-IB000713.

XX PR 07-APR-2000; 2000DE-01019173.

XX PA (EPIG-) EPIGENOMICS AG.

XX PI Olek A, Piepenbrock C, Berlin K;

XX WPI; 2001-657177/75.

XX Set of oligonucleotides, useful for diagnosis and cell typing, is designed to detect single-nucleotide polymorphisms and cytosine methylation status.

XX PS Claim 1; SEQ ID NO 344961; 29pp + Sequence Listing; German.

XX CC This invention describes novel oligonucleotide primers or peptide nucleic acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP) and cytosine methylation status in chemically pretreated genomic DNA. The oligonucleotides are used for diagnosis and/or prognosis of cancer and a range of diseases including immune system, gastrointestinal, respiratory, central nervous system, cardiovascular and metabolic disorders. The oligomers are also used for detecting cell type differentiation. ABC00010 -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073 represent the oligomers described in the invention. NOTE: The sequence data for this patent did not form part of the printed specification, but was obtained in electronic format from WIPO at ftp.wipo.int/pub/published_pct_sequences

XX SQ Sequence 12 BP; 4 A; 0 C; 5 G; 3 T; 0 U; 0 Other;

Query Match 12.3%; Score 9; DB 1; Length 12;
Best Local Similarity 100.0%; Pred. No. 1.4e+03;
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 935 TCCTCTCTCA 943
DB 11 TCCTCTCTCA 3

```

RESULT 2670
ABI67670
ID ABI67670 standard; DNA; 12 BP.
XX
AC ABI67670;
XX
DT 22-FEB-2002 (first entry)
XX
DE Oligonucleotide primer SEQ ID NO 367643 for detecting SNP TSC0004601.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
WPI; 2001-657177/75.
XX
Set of oligonucleotides, useful for diagnosis and cell typing, is
designed to detect single-nucleotide polymorphisms and cytosine
methylation status.
XX
Claim 1; SEQ ID NO 367643; 29pp + Sequence Listing; German.
XX
This invention describes novel oligonucleotide primers or peptide nucleic
acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
and cytosine methylation status in chemically pretreated genomic DNA. The
oligonucleotides are used for diagnosis and/or prognosis of cancer and a
range of diseases including immune system, gastrointestinal, respiratory,
central nervous system, cardiovascular and metabolic disorders. The
oligonucleotides are also used for detecting cell type differentiation. ABC00010
-ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
represent the oligomers described in the invention. NOTE: The sequence
data for this patent did not form part of the printed specification, but
was obtained in electronic format from WIPO at
ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 12 BP; 4 A; 0 C; 2 G; 6 T; 0 U; 0 Other;
XX
This invention describes novel oligonucleotide primers or peptide nucleic
acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
and cytosine methylation status in chemically pretreated genomic DNA. The
oligonucleotides are used for diagnosis and/or prognosis of cancer and a
range of diseases including immune system, gastrointestinal, respiratory,
central nervous system, cardiovascular and metabolic disorders. The
oligonucleotides are also used for detecting cell type differentiation. ABC00010
-ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
represent the oligomers described in the invention. NOTE: The sequence
data for this patent did not form part of the printed specification, but
was obtained in electronic format from WIPO at
ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 12 BP; 4 A; 0 C; 2 G; 6 T; 0 U; 0 Other;
XX
Query Match 12.3%; Score 9; DB 1; Length 12;
Best Local Similarity 100.0%; Pred. No. 1.4e+03;
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 949 TTAATGCTAT 957
DB 4 TTAATGCTAT 12
RESULT 2671
ABI62149
ID ABI62149 standard; DNA; 12 BP.
XX
AC ABI62149;
XX
DT 22-FEB-2002 (first entry)
XX
DE Oligonucleotide primer SEQ ID NO 362122 for detecting SNP TSC0053035.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
WPI; 2001-657177/75.
XX
Set of oligonucleotides, useful for diagnosis and cell typing, is
designed to detect single-nucleotide polymorphisms and cytosine
methylation status.
XX
Claim 1; SEQ ID NO 362122; 29pp + Sequence Listing; German.
XX
This invention describes novel oligonucleotide primers or peptide nucleic
acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
and cytosine methylation status in chemically pretreated genomic DNA. The
oligonucleotides are used for diagnosis and/or prognosis of cancer and a
range of diseases including immune system, gastrointestinal, respiratory,
central nervous system, cardiovascular and metabolic disorders. The
oligonucleotides are also used for detecting cell type differentiation. ABC00010
-ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
represent the oligomers described in the invention. NOTE: The sequence
data for this patent did not form part of the printed specification, but
was obtained in electronic format from WIPO at
ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 12 BP; 5 A; 0 C; 2 G; 5 T; 0 U; 0 Other;
XX
Query Match 12.3%; Score 9; DB 1; Length 12;
Best Local Similarity 100.0%; Pred. No. 1.4e+03;
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 948 TTTAATGCTA 956
DB 1 TTTAATGCTA 9
RESULT 2672
ABI63807
ID ABI63807 standard; DNA; 12 BP.
XX
AC ABI63807;
XX
DT 22-FEB-2002 (first entry)
XX
DE Oligonucleotide primer SEQ ID NO 363780 for detecting SNP TSC0054057.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIG-) EPIGENOMICS AG.

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KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX Homo sapiens.
XX WO200177384-A2.
XX 18-OCT-2001.
XX 06-APR-2001; 2001WO-IB000713.
XX 07-APR-2000; 2000DE-01019173.
XX (EPIG-) EPIGENOMICS AG.
XX Olek A, Piepenbrock C, Berlin K;
XX WPI; 2001-657177/75.
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
designed to detect single-nucleotide polymorphisms and cytosine
methylation status.
XX Claim 1; SEQ ID NO 362122; 29pp + Sequence Listing; German.
XX This invention describes novel oligonucleotide primers or peptide nucleic
acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
and cytosine methylation status in chemically pretreated genomic DNA. The
oligonucleotides are used for diagnosis and/or prognosis of cancer and a
range of diseases including immune system, gastrointestinal, respiratory,
central nervous system, cardiovascular and metabolic disorders. The
oligonucleotides are also used for detecting cell type differentiation. ABC00010
-ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
represent the oligomers described in the invention. NOTE: The sequence
data for this patent did not form part of the printed specification, but
was obtained in electronic format from WIPO at
ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 12 BP; 5 A; 0 C; 2 G; 5 T; 0 U; 0 Other;
XX
Query Match 12.3%; Score 9; DB 1; Length 12;
Best Local Similarity 100.0%; Pred. No. 1.4e+03;
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 948 TTTAATGCTA 956
DB 1 TTTAATGCTA 9
RESULT 2672
ABI63807
ID ABI63807 standard; DNA; 12 BP.
XX
AC ABI63807;
XX
DT 22-FEB-2002 (first entry)
XX
DE Oligonucleotide primer SEQ ID NO 363780 for detecting SNP TSC0054057.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIG-) EPIGENOMICS AG.

```

XX PI Olek A, Piepenbrock C, Berlin K;
 XX DR WPI; 2001-657177/75.
 XX PT Set of oligonucleotides, useful for diagnosis and cell typing, is
 XX PT designed to detect single-nucleotide polymorphisms and cytosine
 XX PT methylation status.
 XX PS Claim 1; SEQ ID NO 363780; 29pp + Sequence Listing; German.
 XX CC This invention describes novel oligonucleotide primers or peptide nucleic
 XX CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
 XX CC and cytosine methylation status in chemically pretreated genomic DNA. The
 XX CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
 XX CC range of diseases including immune system, cardiovascular and metabolic disorders. The
 XX CC oligonucleotides are also used for detecting cell type differentiation. ABC00010
 XX CC -ABF99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABH00010-ABH99989
 XX CC represent the oligomers described in the invention. NOTE: The sequence
 XX CC data for this patent did not form part of the printed specification, but
 XX CC was obtained in electronic format from WIPO at
 XX CC ftp.wipo.int/pub/published_pct_sequences

XX SQ Sequence 12 BP; 4 A; 3 C; 0 G; 5 T; 0 U; 0 Other;
 Query Match 12.3%; Score 9; DB 1; Length 12;
 Best Local Similarity 100.0%; Pred. No. 1.4e+03;
 Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 924 CCTTTATC 932
 DB 1 CCTTTATC 9
 |||||

RESULT 2673
 AB118422
 ID AB118422 standard; DNA; 12 BP.
 AC AB118422;
 DT 22-FEB-2002 (first entry)
 DE Oligonucleotide primer SEQ ID NO 318395 for detecting SNP TSC0028635.
 KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
 KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
 KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
 OS Homo sapiens.
 XX WO200177384-A2.
 XX 18-OCT-2001.
 XX 06-APR-2001; 2001WO-IB000713.
 XX 07-APR-2000; 2000DE-01019173.
 XX (EPIG-) EPIGENOMICS AG.
 XX Olek A, Piepenbrock C, Berlin K;
 XX WPI; 2001-657177/75.
 XX PT Set of oligonucleotides, useful for diagnosis and cell typing, is
 XX PT designed to detect single-nucleotide polymorphisms and cytosine
 XX PT methylation status.
 XX PS Claim 1; SEQ ID NO 318395; 29pp + Sequence Listing; German.
 XX CC This invention describes novel oligonucleotide primers or peptide nucleic
 XX CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
 XX CC and cytosine methylation status in chemically pretreated genomic DNA. The
 XX CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
 XX CC range of diseases including immune system, cardiovascular and metabolic disorders. The
 XX CC oligonucleotides are also used for detecting cell type differentiation. ABC00010
 XX CC -ABF99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABH00010-ABH99989
 XX CC represent the oligomers described in the invention. NOTE: The sequence
 XX CC data for this patent did not form part of the printed specification, but
 XX CC was obtained in electronic format from WIPO at
 XX CC ftp.wipo.int/pub/published_pct_sequences

XX SQ Sequence 12 BP; 2 A; 0 C; 2 G; 8 T; 0 U; 0 Other;
 Query Match 12.3%; Score 9; DB 1; Length 12;
 Best Local Similarity 100.0%; Pred. No. 1.4e+03;
 Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 944 TTGGTTAA 952
 DB 4 TTGGTTAA 12
 |||||

RESULT 2674
 AB120296
 ID AB120296 standard; DNA; 12 BP.
 AC AB120296;
 DT 22-FEB-2002 (first entry)
 DE Oligonucleotide primer SEQ ID NO 320269 for detecting SNP TSC0029625.
 KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
 KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
 KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
 OS Homo sapiens.
 XX WO200177384-A2.
 XX 18-OCT-2001.
 XX 06-APR-2001; 2001WO-IB000713.
 XX 07-APR-2000; 2000DE-01019173.
 XX (EPIG-) EPIGENOMICS AG.
 XX Olek A, Piepenbrock C, Berlin K;
 XX WPI; 2001-657177/75.
 XX PT Set of oligonucleotides, useful for diagnosis and cell typing, is
 XX PT designed to detect single-nucleotide polymorphisms and cytosine
 XX PT methylation status.
 XX PS Claim 1; SEQ ID NO 320269; 29pp + Sequence Listing; German.
 XX CC This invention describes novel oligonucleotide primers or peptide nucleic
 XX CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
 XX CC and cytosine methylation status in chemically pretreated genomic DNA. The
 XX CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
 XX CC range of diseases including immune system, cardiovascular and metabolic disorders. The
 XX CC oligonucleotides are also used for detecting cell type differentiation. ABC00010
 XX CC -ABF99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABH00010-ABH99989
 XX CC represent the oligomers described in the invention. NOTE: The sequence
 XX CC data for this patent did not form part of the printed specification, but
 XX CC was obtained in electronic format from WIPO at
 XX CC ftp.wipo.int/pub/published_pct_sequences

XX SQ Sequence 12 BP; 3 A; 3 C; 0 G; 6 T; 0 U; 0 Other;

XX PD 18-OCT-2001.
 XX PF 06-APR-2001; 2001WO-IB000713.
 XX PR 07-APR-2000; 2000DE-01019173.
 XX PA (EPIC-) EPIDENOMICS AG.
 XX PI Olek A, Piepenbrock C, Berlin K;
 XX PI WPI; 2001-657177/75.
 XX DR
 XX Set of oligonucleotides, useful for diagnosis and cell typing, is
 PT designed to detect single-nucleotide polymorphisms and cytosine
 PT methylation status.
 XX Claim 1; SEQ ID NO 301138; 29pp + Sequence Listing; German.
 XX This invention describes novel oligonucleotide primers or peptide nucleic
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
 CC and cytosine methylation status in chemically pretreated genomic DNA. The
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
 CC range of diseases including immune system, gastrointestinal, respiratory,
 CC central nervous system, cardiovascular and metabolic disorders. The
 CC oligomers are also used for detecting cell type differentiation. ABC00010
 CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
 CC represent the oligomers described in the invention. NOTE: The sequence
 CC data for this patent did not form part of the printed specification, but
 CC was obtained in electronic format from WIPO at
 CC ftp.wipo.int/pub/published_pct_sequences
 XX
 XX Sequence 12 BP; 8 A; 2 C; 0 G; 2 T; 0 U; 0 Other;
 Query Match 12.3%; Score 9; DB 1; Length 12;
 Best Local Similarity 100.0%; Pred. No. 1.4e+03;
 Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
 QY 944 TTGGTTTAA 952
 DB 9 TTGGTTTAA 1
 RESULT 2678
 ABIO2686
 ID ABIO2686 standard; DNA; 12 BP.
 XX AC ABIO2686;
 XX 22-FEB-2002 (first entry)
 XX Oligonucleotide primer SEQ ID NO 302659 for detecting SNP TSC0020110.
 XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
 XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
 XX central nervous system; gastrointestinal; respiratory; immune; metabolic.
 XX Homo sapiens.
 XX WO200177384-A2.
 XX 18-OCT-2001.
 XX 06-APR-2001; 2001WO-IB000713.
 XX 07-APR-2000; 2000DE-01019173.
 XX (EPIC-) EPIDENOMICS AG.
 XX Olek A, Piepenbrock C, Berlin K;
 XX WPI; 2001-657177/75.
 XX Set of oligonucleotides, useful for diagnosis and cell typing, is
 PT designed to detect single-nucleotide polymorphisms and cytosine
 PT methylation status.
 XX Claim 1; SEQ ID NO 301138; 29pp + Sequence Listing; German.
 XX This invention describes novel oligonucleotide primers or peptide nucleic
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
 CC and cytosine methylation status in chemically pretreated genomic DNA. The
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
 CC range of diseases including immune system, gastrointestinal, respiratory,
 CC central nervous system, cardiovascular and metabolic disorders. The
 CC oligomers are also used for detecting cell type differentiation. ABC00010
 CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
 CC represent the oligomers described in the invention. NOTE: The sequence
 CC data for this patent did not form part of the printed specification, but
 CC was obtained in electronic format from WIPO at
 CC ftp.wipo.int/pub/published_pct_sequences
 XX
 XX Sequence 12 BP; 8 A; 2 C; 0 G; 2 T; 0 U; 0 Other;
 Query Match 12.3%; Score 9; DB 1; Length 12;
 Best Local Similarity 100.0%; Pred. No. 1.4e+03;
 Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
 QY 944 TTGGTTTAA 952
 DB 9 TTGGTTTAA 1
 RESULT 2678
 ABIO2686
 ID ABIO2686 standard; DNA; 12 BP.
 XX AC ABIO2686;
 XX 22-FEB-2002 (first entry)
 XX Oligonucleotide primer SEQ ID NO 302659 for detecting SNP TSC0020110.
 XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
 XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
 XX central nervous system; gastrointestinal; respiratory; immune; metabolic.
 XX Homo sapiens.
 XX WO200177384-A2.
 XX 18-OCT-2001.
 XX 06-APR-2001; 2001WO-IB000713.
 XX 07-APR-2000; 2000DE-01019173.
 XX (EPIC-) EPIDENOMICS AG.
 XX Olek A, Piepenbrock C, Berlin K;
 XX WPI; 2001-657177/75.
 XX Set of oligonucleotides, useful for diagnosis and cell typing, is
 PT designed to detect single-nucleotide polymorphisms and cytosine
 PT methylation status.
 XX Claim 1; SEQ ID NO 302659; 29pp + Sequence Listing; German.
 XX This invention describes novel oligonucleotide primers or peptide nucleic
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
 CC and cytosine methylation status in chemically pretreated genomic DNA. The
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
 CC range of diseases including immune system, gastrointestinal, respiratory,
 CC central nervous system, cardiovascular and metabolic disorders. The
 CC oligomers are also used for detecting cell type differentiation. ABC00010
 CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
 CC represent the oligomers described in the invention. NOTE: The sequence
 CC data for this patent did not form part of the printed specification, but
 CC was obtained in electronic format from WIPO at
 CC ftp.wipo.int/pub/published_pct_sequences
 XX
 XX Sequence 12 BP; 8 A; 2 C; 0 G; 2 T; 0 U; 0 Other;
 Query Match 12.3%; Score 9; DB 1; Length 12;
 Best Local Similarity 100.0%; Pred. No. 1.4e+03;
 Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
 QY 931 TCCTCTCTC 939
 DB 1 TCCTCTCTC 9
 RESULT 2679
 ABH85113/C
 ID ABH85113 standard; DNA; 12 BP.
 XX AC ABH85113;
 XX 22-FEB-2002 (first entry)
 XX Oligonucleotide primer SEQ ID NO 285106 for detecting SNP TSC0012152.
 XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
 XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
 XX central nervous system; gastrointestinal; respiratory; immune; metabolic.
 XX Homo sapiens.
 XX WO200177384-A2.
 XX 18-OCT-2001.
 XX 06-APR-2001; 2001WO-IB000713.
 XX 07-APR-2000; 2000DE-01019173.
 XX (EPIC-) EPIDENOMICS AG.
 XX Olek A, Piepenbrock C, Berlin K;
 XX WPI; 2001-657177/75.
 XX Set of oligonucleotides, useful for diagnosis and cell typing, is
 PT designed to detect single-nucleotide polymorphisms and cytosine
 PT methylation status.
 XX Claim 1; SEQ ID NO 285106; 29pp + Sequence Listing; German.
 XX This invention describes novel oligonucleotide primers or peptide nucleic
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
 CC and cytosine methylation status in chemically pretreated genomic DNA. The
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
 CC range of diseases including immune system, gastrointestinal, respiratory,
 CC central nervous system, cardiovascular and metabolic disorders. The
 CC oligomers are also used for detecting cell type differentiation. ABC00010

PT Set of oligonucleotides, useful for diagnosis and cell typing, is
 PT designed to detect single-nucleotide polymorphisms and cytosine
 PT methylation status.
 XX Claim 1; SEQ ID NO 302659; 29pp + Sequence Listing; German.
 XX This invention describes novel oligonucleotide primers or peptide nucleic
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
 CC and cytosine methylation status in chemically pretreated genomic DNA. The
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
 CC range of diseases including immune system, gastrointestinal, respiratory,
 CC central nervous system, cardiovascular and metabolic disorders. The
 CC oligomers are also used for detecting cell type differentiation. ABC00010
 CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
 CC represent the oligomers described in the invention. NOTE: The sequence
 CC data for this patent did not form part of the printed specification, but
 CC was obtained in electronic format from WIPO at
 CC ftp.wipo.int/pub/published_pct_sequences
 XX
 XX Sequence 12 BP; 0 A; 9 C; 0 G; 3 T; 0 U; 0 Other;
 Query Match 12.3%; Score 9; DB 1; Length 12;
 Best Local Similarity 100.0%; Pred. No. 1.4e+03;
 Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
 QY 931 TCCTCTCTC 939
 DB 1 TCCTCTCTC 9
 RESULT 2679
 ABH85113/C
 ID ABH85113 standard; DNA; 12 BP.
 XX AC ABH85113;
 XX 22-FEB-2002 (first entry)
 XX Oligonucleotide primer SEQ ID NO 285106 for detecting SNP TSC0012152.
 XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
 XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
 XX central nervous system; gastrointestinal; respiratory; immune; metabolic.
 XX Homo sapiens.
 XX WO200177384-A2.
 XX 18-OCT-2001.
 XX 06-APR-2001; 2001WO-IB000713.
 XX 07-APR-2000; 2000DE-01019173.
 XX (EPIC-) EPIDENOMICS AG.
 XX Olek A, Piepenbrock C, Berlin K;
 XX WPI; 2001-657177/75.
 XX Set of oligonucleotides, useful for diagnosis and cell typing, is
 PT designed to detect single-nucleotide polymorphisms and cytosine
 PT methylation status.
 XX Claim 1; SEQ ID NO 285106; 29pp + Sequence Listing; German.
 XX This invention describes novel oligonucleotide primers or peptide nucleic
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
 CC and cytosine methylation status in chemically pretreated genomic DNA. The
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
 CC range of diseases including immune system, gastrointestinal, respiratory,
 CC central nervous system, cardiovascular and metabolic disorders. The
 CC oligomers are also used for detecting cell type differentiation. ABC00010

```
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 12 BP; 4 A; 0 C; 8 G; 0 T; 0 U; 0 Other;

Query Match      12.3%; Score 9; DB 1; Length 12;
Best Local Similarity 100.0%; Pred. No. 1.4e+03;
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 931 TCCCTCCTCC 939
    |||||
    12 TCCCTCCTCC 4

Db
RESULT 2680
ABI13522
ID ABI13522 standard; DNA; 12 BP.
XX
AC ABI13522;
XX
DT 22-FEB-2002 (first entry)
XX
DE Oligonucleotide primer SEQ ID NO 313495 for detecting SNP TSC0025796.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
WPI; 2001-657177/75.
XX
PT Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
PS Claim 1; SEQ ID NO 313495; 29pp + Sequence Listing; German.
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 12 BP; 3 A; 0 C; 0 G; 6 T; 0 U; 0 Other;

Query Match      12.3%; Score 9; DB 1; Length 12;
Best Local Similarity 100.0%; Pred. No. 1.4e+03;
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 925 CTTTATCC 933

Db
RESULT 2682
ABI46190
ID ABI46190 standard; DNA; 12 BP.
XX
AC ABI46190;
XX
DT 22-FEB-2002 (first entry)
XX
DE Oligonucleotide primer SEQ ID NO 346163 for detecting SNP TSC0044411.
XX
```

```
Db
RESULT 2681
ABI42192
ID ABI42192 standard; DNA; 12 BP.
XX
AC ABI42192;
XX
DT 22-FEB-2002 (first entry)
XX
DE Oligonucleotide primer SEQ ID NO 342165 for detecting SNP TSC0042413.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
WPI; 2001-657177/75.
XX
PT Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
PS Claim 1; SEQ ID NO 342165; 29pp + Sequence Listing; German.
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 12 BP; 3 A; 6 C; 0 G; 3 T; 0 U; 0 Other;

Query Match      12.3%; Score 9; DB 1; Length 12;
Best Local Similarity 100.0%; Pred. No. 1.4e+03;
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 929 TATCCCTCC 937
    |||||
    4 TATCCCTCC 12

Db
RESULT 2682
ABI46190
ID ABI46190 standard; DNA; 12 BP.
XX
AC ABI46190;
XX
DT 22-FEB-2002 (first entry)
XX
DE Oligonucleotide primer SEQ ID NO 346163 for detecting SNP TSC0044411.
XX
```

XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
 KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
 KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
 XX
 OS Homo sapiens.
 XX
 PN WO200177384-A2.
 XX
 PD 18-OCT-2001.
 XX
 PF 06-APR-2001; 2001WO-IB000713.
 XX
 PR 07-APR-2000; 2000DE-01019173.
 XX
 PA (EPIG-) EPIGENOMICS AG.
 XX
 PI Olek A, Piepenbrock C, Berlin K;
 XX
 DR WPI; 2001-657177/75.
 XX
 XX Set of oligonucleotides, useful for diagnosis and cell typing, is
 PT designed to detect single-nucleotide polymorphisms and cytosine
 PT methylation status.
 XX
 PS Claim 1; SEQ ID NO 346163; 29pp + Sequence Listing; German.
 XX
 CC This invention describes novel oligonucleotide primers or peptide nucleic
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
 CC and cytosine methylation status in chemically pretreated genomic DNA. The
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
 CC range of diseases including immune system, gastrointestinal, respiratory,
 CC central nervous system, cardiovascular and metabolic disorders. The
 CC oligomers are also used for detecting cell type differentiation. ABC00010
 CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
 CC represent the oligomers described in the invention. NOTE: The sequence
 CC data for this patent did not form part of the printed specification, but
 CC was obtained in electronic format from WIPO at
 CC ftp.wipo.int/pub/published_pct_sequences
 XX
 SQ Sequence 12 BP; 1 A; 6 C; 0 G; 5 T; 0 U; 0 Other;
 XX
 Query Match 12.3%; Score 9; DB 1; Length 12;
 Best Local Similarity 100.0%; Pred. No. 1.4e+03;
 Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
 QY 929 TATCCCTCC 937
 DB 1 TATCCCTCC 9
 RESULT 2683
 ABI47523
 ID ABI47523 standard; DNA; 12 BP.
 XX
 AC ABI47523;
 XX
 DT 22-FEB-2002 (first entry)
 XX
 DE Oligonucleotide primer SEQ ID NO 347496 for detecting SNP TSC0045137.
 XX
 KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
 KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
 KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
 XX
 OS Homo sapiens.
 XX
 PN WO200177384-A2.
 XX
 PD 18-OCT-2001.
 XX
 PF 06-APR-2001; 2001WO-IB000713.
 XX

PR 07-APR-2000; 2000DE-01019173.
 XX
 PA (EPIG-) EPIGENOMICS AG.
 XX
 PI Olek A, Piepenbrock C, Berlin K;
 XX
 DR WPI; 2001-657177/75.
 XX
 XX Set of oligonucleotides, useful for diagnosis and cell typing, is
 PT designed to detect single-nucleotide polymorphisms and cytosine
 PT methylation status.
 XX
 PS Claim 1; SEQ ID NO 347496; 29pp + Sequence Listing; German.
 XX
 CC This invention describes novel oligonucleotide primers or peptide nucleic
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
 CC and cytosine methylation status in chemically pretreated genomic DNA. The
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
 CC range of diseases including immune system, gastrointestinal, respiratory,
 CC central nervous system, cardiovascular and metabolic disorders. The
 CC oligomers are also used for detecting cell type differentiation. ABC00010
 CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
 CC represent the oligomers described in the invention. NOTE: The sequence
 CC data for this patent did not form part of the printed specification, but
 CC was obtained in electronic format from WIPO at
 CC ftp.wipo.int/pub/published_pct_sequences
 XX
 SQ Sequence 12 BP; 2 A; 7 C; 0 G; 3 T; 0 U; 0 Other;
 XX
 Query Match 12.3%; Score 9; DB 1; Length 12;
 Best Local Similarity 100.0%; Pred. No. 1.4e+03;
 Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
 QY 929 TATCCCTCC 937
 DB 3 TATCCCTCC 11
 RESULT 2684
 ABI70334/C
 ID ABI70334 standard; DNA; 12 BP.
 XX
 AC ABI70334;
 XX
 DT 22-FEB-2002 (first entry)
 XX
 DE Oligonucleotide primer SEQ ID NO 370307 for detecting SNP TSC0058110.
 XX
 KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
 KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
 KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
 XX
 OS Homo sapiens.
 XX
 PN WO200177384-A2.
 XX
 PD 18-OCT-2001.
 XX
 PF 06-APR-2001; 2001WO-IB000713.
 XX
 PR 07-APR-2000; 2000DE-01019173.
 XX
 PA (EPIG-) EPIGENOMICS AG.
 XX
 PI Olek A, Piepenbrock C, Berlin K;
 XX
 DR WPI; 2001-657177/75.
 XX
 XX Set of oligonucleotides, useful for diagnosis and cell typing, is
 PT designed to detect single-nucleotide polymorphisms and cytosine
 PT methylation status.
 XX
 PS Claim 1; SEQ ID NO 370307; 29pp + Sequence Listing; German.

XX This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP).
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences

XX SQ Sequence 12 BP; 7 A; 2 C; 0 G; 3 T; 0 U; 0 Other;
XX
XX Query Match 12.3%; Score 9; DB 1; Length 12;
XX Best Local Similarity 100.0%; Pred. No. 1.4e+03;
XX Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
XX

QY 943 ATTGGTTAA 951
Db 11 ATTGGTTAA 3
|||||||

RESULT 2685
ABI74444
ID ABI74444 standard; DNA; 12 BP.
XX AC ABI74444;
XX
XX DT 22-FEB-2002 (first entry)
XX
XX DE Oligonucleotide primer SEQ ID NO 374417 for detecting SNP TSC0060680.
XX
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
XX OS Homo sapiens.
XX
XX PN WO200177384-A2.
XX
XX PD 18-OCT-2001.
XX
XX PF 06-APR-2001; 2001WO-IB000713.
XX
XX PR 07-APR-2000; 2000DE-01019173.
XX
XX PA (EPIG-) EPIGENOMICS AG.
XX
XX PI Olek A, Piepenbrock C, Berlin K;
XX
XX DR WPI; 2001-657177/75.
XX
XX PT Set of oligonucleotides, useful for diagnosis and cell typing, is
XX designed to detect single-nucleotide polymorphisms and cytosine
XX methylation status.
XX
XX PS Claim 1; SEQ ID NO 374417; 29pp + Sequence Listing; German.

XX This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP).
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences

XX SQ Sequence 12 BP; 4 A; 0 C; 1 G; 7 T; 0 U; 0 Other;
XX
XX Query Match 12.3%; Score 9; DB 1; Length 12;
XX Best Local Similarity 100.0%; Pred. No. 1.4e+03;
XX Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
XX

QY 949 TTAATGTAT 957
Db 1 TTAATGTAT 9
|||||||

RESULT 2686
ABI64490
ID ABI64490 standard; DNA; 12 BP.
XX AC ABI64490;
XX
XX DT 22-FEB-2002 (first entry)
XX
XX DE Oligonucleotide primer SEQ ID NO 364463 for detecting SNP TSC0054479.
XX
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
XX OS Homo sapiens.
XX
XX PN WO200177384-A2.
XX
XX PD 18-OCT-2001.
XX
XX PF 06-APR-2001; 2001WO-IB000713.
XX
XX PR 07-APR-2000; 2000DE-01019173.
XX
XX PA (EPIG-) EPIGENOMICS AG.
XX
XX PI Olek A, Piepenbrock C, Berlin K;
XX
XX DR WPI; 2001-657177/75.
XX
XX PT Set of oligonucleotides, useful for diagnosis and cell typing, is
XX designed to detect single-nucleotide polymorphisms and cytosine
XX methylation status.
XX
XX PS Claim 1; SEQ ID NO 364463; 29pp + Sequence Listing; German.

XX This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP).
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences

XX SQ Sequence 12 BP; 3 A; 0 C; 3 G; 6 T; 0 U; 0 Other;
XX
XX Query Match 12.3%; Score 9; DB 1; Length 12;
XX Best Local Similarity 100.0%; Pred. No. 1.4e+03;
XX Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
XX

QY 944 TTGGTTAA 952
Db 3 TTGGTTAA 11
|||||||

RESULT 2687

XX WPI; 2001-657177/75.
DR
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
PS Claim 1; SEQ ID NO 273147; 29pp + Sequence Listing; German.
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 12 BP; 6 A; 2 C; 0 G; 4 T; 0 U; 0 Other;

Query Match 12.3%; Score 9; DB 1; Length 12;
Best Local Similarity 100.0%; Pred. No. 1.4e+03;
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 949 TTAATGTAT 957
DB 12 TTAATGTAT 4

RESULT 2690
ABH82797/c
ID ABH82797 standard; DNA; 12 BP.
XX
AC ABH82797;
XX
XX
DT 22-FEB-2002 (first entry)
XX
DE Oligonucleotide primer SEQ ID NO 282790 for detecting SNP TSC0010992.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
DR WPI; 2001-657177/75.
XX
PT Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
PS Claim 1; SEQ ID NO 282790; 29pp + Sequence Listing; German.
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a

CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 12 BP; 6 A; 0 C; 3 G; 3 T; 0 U; 0 Other;

Query Match 12.3%; Score 9; DB 1; Length 12;
Best Local Similarity 100.0%; Pred. No. 1.4e+03;
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 906 CATTTCTT 914
DB 9 CATTTCTT 1

RESULT 2691
ABI11373/c
ID ABI11373 standard; DNA; 12 BP.
XX
AC ABI11373;
XX
XX
DT 22-FEB-2002 (first entry)
XX
DE Oligonucleotide primer SEQ ID NO 311346 for detecting SNP TSC0024436.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
DR WPI; 2001-657177/75.
XX
PT Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
PS Claim 1; SEQ ID NO 311346; 29pp + Sequence Listing; German.
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 12 BP; 2 A; 1 C; 5 G; 4 T; 0 U; 0 Other;

Query Match 12.3%; Score 9; DB 1; Length 12;
Best Local Similarity 100.0%; Pred. No. 1.4e+03;

Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 958 CGCTACCAA 966
 DB 12 CGCTACCAA 4

RESULT 2692
 ABI50994/C
 ID ABI50994 standard; DNA; 12 BP.
 XX
 AC ABI50994;
 XX
 DT 22-FEB-2002 (first entry)
 XX
 XX Oligonucleotide primer SEQ ID NO 350967 for detecting SNP TSC0047021.
 DE
 XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
 KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
 KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
 XX
 OS Homo sapiens.
 XX
 PN WO200177384-A2.
 XX
 PD 18-OCT-2001.
 XX
 PF 06-APR-2001; 2001WO-IB000713.
 XX
 PR 07-APR-2000; 2000DE-01019173.
 XX
 PA (EPYG-) EPIGENOMICS AG.
 XX
 PI Olek A, Piepenbrock C, Berlin K;
 XX
 DR WPI; 2001-657177/75.
 XX
 PT Set of oligonucleotides, useful for diagnosis and cell typing, is
 PT designed to detect single-nucleotide polymorphisms and cytosine
 PT methylation status.
 PS Claim 1; SEQ ID NO 350957; 29pp + Sequence Listing; German.
 XX
 CC This invention describes novel oligonucleotide primers or peptide nucleic
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
 CC and cytosine methylation status in chemically pretreated genomic DNA. The
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
 CC range of diseases including immune system, gastrointestinal, respiratory,
 CC central nervous system, cardiovascular and metabolic disorders. The
 CC oligomers are also used for detecting cell type differentiation. ABC00010
 CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
 CC represent the oligomers described in the invention. NOTE: The sequence
 CC data for this patent did not form part of the printed specification, but
 CC was obtained in electronic format from WIPO at
 CC ftp.wipo.int/pub/published_pct_sequences
 XX
 PS Sequence 12 BP; 6 A; 2 C; 0 G; 4 T; 0 U; 0 Other;
 XX
 CC Query Match 12.3%; Score 9; DB 1; Length 12;
 CC Best Local Similarity 100.0%; Pred. No. 1.4e+03;
 CC Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 949 TTAATGTAT 957
 DB 11 TTAATGTAT 3

RESULT 2693
 ABI69632/C
 ID ABI69632 standard; DNA; 12 BP.
 XX
 AC ABI69632;
 XX
 XX

DT 22-FEB-2002 (first entry)
 XX
 DE Oligonucleotide primer SEQ ID NO 369605 for detecting SNP TSC0057741.
 XX
 KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
 KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
 KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
 XX
 OS Homo sapiens.
 XX
 PN WO200177384-A2.
 XX
 PD 18-OCT-2001.
 XX
 PF 06-APR-2001; 2001WO-IB000713.
 XX
 PR 07-APR-2000; 2000DE-01019173.
 XX
 PA (EPYG-) EPIGENOMICS AG.
 XX
 PI Olek A, Piepenbrock C, Berlin K;
 XX
 DR WPI; 2001-657177/75.
 XX
 PT Set of oligonucleotides, useful for diagnosis and cell typing, is
 PT designed to detect single-nucleotide polymorphisms and cytosine
 PT methylation status.
 PS Claim 1; SEQ ID NO 369605; 29pp + Sequence Listing; German.
 XX
 CC This invention describes novel oligonucleotide primers or peptide nucleic
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
 CC and cytosine methylation status in chemically pretreated genomic DNA. The
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
 CC range of diseases including immune system, gastrointestinal, respiratory,
 CC central nervous system, cardiovascular and metabolic disorders. The
 CC oligomers are also used for detecting cell type differentiation. ABC00010
 CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
 CC represent the oligomers described in the invention. NOTE: The sequence
 CC data for this patent did not form part of the printed specification, but
 CC was obtained in electronic format from WIPO at
 CC ftp.wipo.int/pub/published_pct_sequences
 XX
 PS Sequence 12 BP; 10 A; 0 C; 1 G; 1 T; 0 U; 0 Other;
 XX
 CC Query Match 12.3%; Score 9; DB 1; Length 12;
 CC Best Local Similarity 100.0%; Pred. No. 1.4e+03;
 CC Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 907 ATTTCCTT 915
 DB 12 ATTTCCTT 4

RESULT 2694
 ABI78614
 ID ABI78614 standard; DNA; 12 BP.
 XX
 AC ABI78614;
 XX
 DT 22-FEB-2002 (first entry)
 XX
 XX Oligonucleotide primer SEQ ID NO 378587 for detecting SNP TSC0062854.
 DE
 XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
 KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
 KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
 XX
 OS Homo sapiens.
 XX
 PN WO200177384-A2.
 XX
 PD 18-OCT-2001.

XX 06-APR-2001; 2001WO-IB000713.
 XX
 XX 07-APR-2000; 2000DE-01019173.
 XX
 XX (EPIG-) EPIGENOMICS AG.
 XX
 XX Olek A, Piepenbrock C, Berlin K;
 XX
 XX WPI; 2001-657177/75.
 XX
 XX Set of oligonucleotides, useful for diagnosis and cell typing, is
 PT designed to detect single-nucleotide polymorphisms and cytosine
 PT methylation status.
 XX
 XX Claim 1; SEQ ID NO 378587; 29pp + Sequence Listing; German.
 XX
 XX This invention describes novel oligonucleotide primers or peptide nucleic
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP).
 CC and cytosine methylation status in chemically pretreated genomic DNA. The
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
 CC range of diseases including immune system, gastrointestinal, respiratory,
 CC central nervous system, cardiovascular and metabolic disorders. The
 CC oligomers are also used for detecting cell type differentiation. ABC00010
 CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
 CC represent the oligomers described in the invention. NOTE: The sequence
 CC data for this patent did not form part of the printed specification, but
 CC was obtained in electronic format from WIPO at
 CC ftp.wipo.int/pub/published_pct_sequences
 XX
 XX Sequence 12 BP; 3 A; 5 C; 0 G; 4 T; 0 U; 0 Other;
 SQ
 Query Match 12.3%; Score 9; DB 1; Length 12;
 Best Local Similarity 100.0%; Pred. No. 1.4e+03;
 Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
 QY 936 CCTCTTCAT 944
 Db 1 CCTCTTCAT 9
 |||||
 RESULT 2695
 ABI66615/c
 ID ABI66615 standard; DNA; 12 BP.
 XX
 XX ABI66615;
 AC
 XX 22-FEB-2002 (first entry)
 DT
 XX Oligonucleotide primer SEQ ID NO 366588 for detecting SNP TSC0055854.
 DE
 XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
 KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
 KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
 XX
 XX Homo sapiens.
 OS
 XX WO200177384-A2.
 XX
 XX 18-OCT-2001.
 PD
 XX 06-APR-2001; 2001WO-IB000713.
 PF
 XX 07-APR-2000; 2000DE-01019173.
 PR
 XX (EPIG-) EPIGENOMICS AG.
 PA
 XX Olek A, Piepenbrock C, Berlin K;
 XX
 XX WPI; 2001-657177/75.
 XX
 XX Set of oligonucleotides, useful for diagnosis and cell typing, is
 PT designed to detect single-nucleotide polymorphisms and cytosine

PT methylation status.
 XX
 XX Claim 1; SEQ ID NO 366588; 29pp + Sequence Listing; German.
 XX
 XX This invention describes novel oligonucleotide primers or peptide nucleic
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP).
 CC and cytosine methylation status in chemically pretreated genomic DNA. The
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
 CC range of diseases including immune system, gastrointestinal, respiratory,
 CC central nervous system, cardiovascular and metabolic disorders. The
 CC oligomers are also used for detecting cell type differentiation. ABC00010
 CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
 CC represent the oligomers described in the invention. NOTE: The sequence
 CC data for this patent did not form part of the printed specification, but
 CC was obtained in electronic format from WIPO at
 CC ftp.wipo.int/pub/published_pct_sequences
 XX
 XX Sequence 12 BP; 5 A; 3 C; 1 G; 3 T; 0 U; 0 Other;
 SQ
 Query Match 12.3%; Score 9; DB 1; Length 12;
 Best Local Similarity 100.0%; Pred. No. 1.4e+03;
 Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
 QY 947 GTTAAATGT 955
 Db 9 GTTAAATGT 1
 |||||
 RESULT 2696
 ABI117925
 ID ABI117925 standard; DNA; 12 BP.
 XX
 XX ABI117925;
 AC
 XX 22-FEB-2002 (first entry)
 DT
 XX Oligonucleotide primer SEQ ID NO 317898 for detecting SNP TSC0028334.
 DE
 XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
 KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
 KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
 XX
 XX Homo sapiens.
 OS
 XX WO200177384-A2.
 XX
 XX 18-OCT-2001.
 PD
 XX 06-APR-2001; 2001WO-IB000713.
 PF
 XX 07-APR-2000; 2000DE-01019173.
 PR
 XX (EPIG-) EPIGENOMICS AG.
 PA
 XX Olek A, Piepenbrock C, Berlin K;
 XX
 XX WPI; 2001-657177/75.
 XX
 XX Set of oligonucleotides, useful for diagnosis and cell typing, is
 PT designed to detect single-nucleotide polymorphisms and cytosine
 PT methylation status.
 XX
 XX Claim 1; SEQ ID NO 317898; 29pp + Sequence Listing; German.
 XX
 XX This invention describes novel oligonucleotide primers or peptide nucleic
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP).
 CC and cytosine methylation status in chemically pretreated genomic DNA. The
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
 CC range of diseases including immune system, gastrointestinal, respiratory,
 CC central nervous system, cardiovascular and metabolic disorders. The
 CC oligomers are also used for detecting cell type differentiation. ABC00010
 CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
 CC represent the oligomers described in the invention. NOTE: The sequence

CC data for this patent did not form part of the printed specification, but
 CC was obtained in electronic format from WIPO at
 CC ftp.wipo.int/pub/published_pct_sequences

SQ Sequence 12 BP; 2 A; 3 C; 0 G; 7 T; 0 U; 0 Other;
 Query Match 12.3%; Score 9; DB 1; Length 12;
 Best Local Similarity 100.0%; Pred. No. 1.4e+03;
 Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 905 TCATTTCCT 913
 Db 1 TCATTTCCT 9
 |||||

RESULT 2697
 ABH69850
 ID ABH69850 standard; DNA; 12 BP.
 XX AC ABH69850;
 XX
 XX 22-FEB-2002 (first entry)
 DT
 XX
 DE Oligonucleotide primer SEQ ID NO 269827 for detecting SNP TSC0001892.
 XX
 KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
 KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
 KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
 OS Homo sapiens.
 XX
 XX WO200177384-A2.
 PN
 XX 18-OCT-2001.
 PD
 XX 06-APR-2001; 2001WO-IB000713.
 PF
 XX 07-APR-2000; 2000DE-01019173.
 PR
 XX (EPIG-) EPIGENOMICS AG.
 PA
 XX Olek A, Piepenbrock C, Berlin K;
 PI
 XX WPI; 2001-657177/75.
 DR
 XX Set of oligonucleotides, useful for diagnosis and cell typing, is
 PT designed to detect single-nucleotide polymorphisms and cytosine
 PT methylation status.
 XX
 PS Claim 1; SEQ ID NO 269827; 29pp + Sequence Listing; German.

CC This invention describes novel oligonucleotide primers or peptide nucleic
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
 CC and cytosine methylation status in chemically pretreated genomic DNA. The
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
 CC range of diseases including immune system, gastrointestinal, respiratory,
 CC central nervous system, cardiovascular and metabolic disorders. The
 CC oligomers are also used for detecting cell type differentiation. ABC00010
 CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and AB100010-AB182073
 CC represent the oligomers described in the invention. NOTE: The sequence
 CC data for this patent did not form part of the printed specification, but
 CC was obtained in electronic format from WIPO at
 CC ftp.wipo.int/pub/published_pct_sequences
 XX
 PS Sequence 12 BP; 4 A; 0 C; 1 G; 7 T; 0 U; 0 Other;
 XX
 Query Match 12.3%; Score 9; DB 1; Length 12;
 Best Local Similarity 100.0%; Pred. No. 1.4e+03;
 Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 948 TTTAATGTA 956
 Db 1 TTTAATGTA 9
 |||||

RESULT 2698
 ABH77868/c
 ID ABH77868 standard; DNA; 12 BP.
 XX AC ABH77868;
 XX
 XX 22-FEB-2002 (first entry)
 DT
 XX
 DE Oligonucleotide primer SEQ ID NO 277861 for detecting SNP TSC0005098.
 XX
 KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
 KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
 KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
 OS Homo sapiens.
 XX
 XX WO200177384-A2.
 PN
 XX 18-OCT-2001.
 PD
 XX 06-APR-2001; 2001WO-IB000713.
 PF
 XX 07-APR-2000; 2000DE-01019173.
 PR
 XX (EPIG-) EPIGENOMICS AG.
 PA
 XX Olek A, Piepenbrock C, Berlin K;
 PI
 XX WPI; 2001-657177/75.
 DR
 XX Set of oligonucleotides, useful for diagnosis and cell typing, is
 PT designed to detect single-nucleotide polymorphisms and cytosine
 PT methylation status.
 XX
 PS Claim 1; SEQ ID NO 277861; 29pp + Sequence Listing; German.

CC This invention describes novel oligonucleotide primers or peptide nucleic
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
 CC and cytosine methylation status in chemically pretreated genomic DNA. The
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
 CC range of diseases including immune system, gastrointestinal, respiratory,
 CC central nervous system, cardiovascular and metabolic disorders. The
 CC oligomers are also used for detecting cell type differentiation. ABC00010
 CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and AB100010-AB182073
 CC represent the oligomers described in the invention. NOTE: The sequence
 CC data for this patent did not form part of the printed specification, but
 CC was obtained in electronic format from WIPO at
 CC ftp.wipo.int/pub/published_pct_sequences
 XX
 PS Sequence 12 BP; 6 A; 1 C; 0 G; 5 T; 0 U; 0 Other;
 XX
 Query Match 12.3%; Score 9; DB 1; Length 12;
 Best Local Similarity 100.0%; Pred. No. 1.4e+03;
 Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 949 TTAATGTA 957
 Db 12 TTAATGTA 4
 |||||

RESULT 2699
 ABI06647/c
 ID ABI06647 standard; DNA; 12 BP.
 XX AC ABI06647;
 XX
 XX 22-FEB-2002 (first entry)
 DT
 XX
 DE Oligonucleotide primer SEQ ID NO 306620 for detecting SNP TSC00202094.
 XX
 KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;

KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX Homo sapiens.
XX WO200177384-A2.
XX 18-OCT-2001.
XX 06-APR-2001; 2001WO-IB000713.
XX 07-APR-2000; 2000DE-01019173.
XX (EPIG-) EPIGENOMICS AG.
XX Olek A, Piepenbrock C, Berlin K;
XX WPI; 2001-657177/75.
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX Claim 1; SEQ ID NO 306620; 29pp + Sequence Listing; German.
XX This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABP00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX Sequence 12 BP; 3 A; 0 C; 7 G; 2 T; 0 U; 0 Other;
XX Query Match 12.3%; Score 9; DB 1; Length 12;
XX Best Local Similarity 100.0%; Pred. No. 1.4e+03;
XX Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
XX 930 ATCCCTCCT 938
XX 10 ATCCCTCCT 2
XX
XX RESULT 2700
XX ABI32262
XX ID ABI32262 standard; DNA; 12 BP.
XX AC ABI32262;
XX 22-FEB-2002 (first entry)
XX Oligonucleotide primer SEQ ID NO 332235 for detecting SNP TSC0036789.
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX Homo sapiens.
XX WO200177384-A2.
XX 18-OCT-2001.
XX 06-APR-2001; 2001WO-IB000713.
XX 07-APR-2000; 2000DE-01019173.
XX (EPIG-) EPIGENOMICS AG.
XX Olek A, Piepenbrock C, Berlin K;
XX WPI; 2001-657177/75.
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX Claim 1; SEQ ID NO 312502; 29pp + Sequence Listing; German.
XX This invention describes novel oligonucleotide primers or peptide nucleic

PA (EPIG-) EPIGENOMICS AG.
XX Olek A, Piepenbrock C, Berlin K;
XX WPI; 2001-657177/75.
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX Claim 1; SEQ ID NO 332235; 29pp + Sequence Listing; German.
XX This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABP00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX Sequence 12 BP; 4 A; 0 C; 2 G; 6 T; 0 U; 0 Other;
XX Query Match 12.3%; Score 9; DB 1; Length 12;
XX Best Local Similarity 100.0%; Pred. No. 1.4e+03;
XX Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
XX 949 TTAATGTAT 957
XX 3 TTAATGTAT 11
XX
XX RESULT 2701
XX ABI12529
XX ID ABI12529 standard; DNA; 12 BP.
XX AC ABI12529;
XX 22-FEB-2002 (first entry)
XX Oligonucleotide primer SEQ ID NO 312502 for detecting SNP TSC0025093.
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX Homo sapiens.
XX WO200177384-A2.
XX 18-OCT-2001.
XX 06-APR-2001; 2001WO-IB000713.
XX 07-APR-2000; 2000DE-01019173.
XX (EPIG-) EPIGENOMICS AG.
XX Olek A, Piepenbrock C, Berlin K;
XX WPI; 2001-657177/75.
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX Claim 1; SEQ ID NO 312502; 29pp + Sequence Listing; German.
XX This invention describes novel oligonucleotide primers or peptide nucleic

CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
 CC and cytosine methylation status in chemically pretreated genomic DNA. The
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
 CC range of diseases including immune system, gastrointestinal, respiratory,
 CC central nervous system, cardiovascular and metabolic disorders. The
 CC oligomers are also used for detecting cell type differentiation. ABC00010
 CC -ABG9989, ABF00010-ABF9989, ABH00010-ABH9989 and ABI00010-ABI82073
 CC represent the oligomers described in the invention. NOTE: The sequence
 CC data for this patent did not form part of the printed specification, but
 CC was obtained in electronic format from WIPO at
 CC ftp.wipo.int/pub/published_pct_sequences
 XX Sequence 12 BP; 3 A; 0 C; 2 G; 7 T; 0 U; 0 Other;
 SQ

Query Match 12.3%; Score 9; DB 1; Length 12;
 Best Local Similarity 100.0%; Pred. No. 1.4e+03;
 Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 947 GTTTAATGT 955
 |||||
 Db 1 GTTTAATGT 9

RESULT 2702
 ABH8958/c
 ID ABH8958 standard; DNA; 12 BP.
 XX
 AC ABH8958;
 XX
 DT 22-FEB-2002 (first entry)
 XX
 DE Oligonucleotide primer SEQ ID NO 288951 for detecting SNP TSC0013741.
 XX
 KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
 KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
 KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
 XX
 OS Homo sapiens.
 XX
 PN WO200177384-A2.
 XX
 PD 18-OCT-2001.
 XX
 PF 06-APR-2001; 2001WO-IB000713.
 XX
 PR 07-APR-2000; 2000DE-01019173.
 XX
 PA (EPIG-) EPIGENOMICS AG.
 XX
 PI Olek A, Piepenbrock C, Berlin K;
 XX
 DR WPI; 2001-657177/75.
 XX
 PT Set of oligonucleotides, useful for diagnosis and cell typing, is
 PT designed to detect single-nucleotide polymorphisms and cytosine
 PT methylation status.
 XX
 PS Claim 1; SEQ ID NO 288951; 29pp + Sequence Listing; German.
 XX
 CC This invention describes novel oligonucleotide primers or peptide nucleic
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
 CC and cytosine methylation status in chemically pretreated genomic DNA. The
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
 CC range of diseases including immune system, gastrointestinal, respiratory,
 CC central nervous system, cardiovascular and metabolic disorders. The
 CC oligomers are also used for detecting cell type differentiation. ABC00010
 CC -ABG9989, ABF00010-ABF9989, ABH00010-ABH9989 and ABI00010-ABI82073
 CC represent the oligomers described in the invention. NOTE: The sequence
 CC data for this patent did not form part of the printed specification, but
 CC was obtained in electronic format from WIPO at
 CC ftp.wipo.int/pub/published_pct_sequences
 XX Sequence 12 BP; 6 A; 4 C; 0 G; 2 T; 0 U; 0 Other;
 SQ

Query Match 12.3%; Score 9; DB 1; Length 12;
 Best Local Similarity 100.0%; Pred. No. 1.4e+03;
 Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 946 GGTTTAATG 954
 |||||
 Db 12 GGTTTAATG 4

RESULT 2703
 ABI41480
 ID ABI41480 standard; DNA; 12 BP.
 XX
 AC ABI41480;
 XX
 DT 22-FEB-2002 (first entry)
 XX
 DE Oligonucleotide primer SEQ ID NO 341453 for detecting SNP TSC0042043.
 XX
 KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
 KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
 KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
 XX
 OS Homo sapiens.
 XX
 PN WO200177384-A2.
 XX
 PD 18-OCT-2001.
 XX
 PF 06-APR-2001; 2001WO-IB000713.
 XX
 PR 07-APR-2000; 2000DE-01019173.
 XX
 PA (EPIG-) EPIGENOMICS AG.
 XX
 PI Olek A, Piepenbrock C, Berlin K;
 XX
 DR WPI; 2001-657177/75.
 XX
 PT Set of oligonucleotides, useful for diagnosis and cell typing, is
 PT designed to detect single-nucleotide polymorphisms and cytosine
 PT methylation status.
 XX
 PS Claim 1; SEQ ID NO 341453; 29pp + Sequence Listing; German.
 XX
 CC This invention describes novel oligonucleotide primers or peptide nucleic
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
 CC and cytosine methylation status in chemically pretreated genomic DNA. The
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
 CC range of diseases including immune system, gastrointestinal, respiratory,
 CC central nervous system, cardiovascular and metabolic disorders. The
 CC oligomers are also used for detecting cell type differentiation. ABC00010
 CC -ABG9989, ABF00010-ABF9989, ABH00010-ABH9989 and ABI00010-ABI82073
 CC represent the oligomers described in the invention. NOTE: The sequence
 CC data for this patent did not form part of the printed specification, but
 CC was obtained in electronic format from WIPO at
 CC ftp.wipo.int/pub/published_pct_sequences
 XX
 SQ Sequence 12 BP; 2 A; 1 C; 0 G; 9 T; 0 U; 0 Other;
 XX

Query Match 12.3%; Score 9; DB 1; Length 12;
 Best Local Similarity 100.0%; Pred. No. 1.4e+03;
 Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 907 ATTTCTTT 915
 |||||
 Db 2 ATTTCTTT 10

RESULT 2704
 ABH91563/c
 ID ABH91563 standard; DNA; 12 BP.

XX Set of oligonucleotides, useful for diagnosis and cell typing, is
 PT designed to detect single-nucleotide polymorphisms and cytosine
 PT methylation status.

XX Claim 1; SEQ ID NO 344908; 29pp + Sequence Listing; German.

XX This invention describes novel oligonucleotide primers or peptide nucleic
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
 CC and cytosine methylation status in chemically pretreated genomic DNA. The
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
 CC range of diseases including immune system, gastrointestinal, respiratory,
 CC central nervous system, cardiovascular and metabolic disorders. The
 CC oligomers are also used for detecting cell type differentiation. ABC00010
 CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
 CC represent the oligomers described in the invention. NOTE: The sequence
 CC data for this patent did not form part of the printed specification, but
 CC was obtained in electronic format from WIPO at
 CC ftp.wipo.int/pub/published_pct_sequences

XX Sequence 12 BP; 2 A; 3 C; 0 G; 7 T; 0 U; 0 Other;

Query Match 12.3%; Score 9; DB 1; Length 12;
 Best Local Similarity 100.0%; Pred. No. 1.4e+03;
 Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 905 TCATTCTCT 913

DB 3 TCATTCTCT 11

RESULT 2707

ABI49477/c
 ID ABI49477 standard; DNA; 12 BP.

XX AC ABI49477;

XX 22-FEB-2002 (first entry)

DE Oligonucleotide primer SEQ ID NO 349450 for detecting SNP TSC0046149.

XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
 KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
 KW central nervous system; gastrointestinal; respiratory; immune; metabolic.

XX Homo sapiens.

XX WO200177384-A2.

XX 18-OCT-2001.

XX 06-APR-2001; 2001WO-IB000713.

XX 07-APR-2000; 2000DE-01019173.

XX (EPIC-) EPIGENOMICS AG.

XX Olek A, Piepenbrock C, Berlin K;

XX WPI; 2001-657177/75.

XX Set of oligonucleotides, useful for diagnosis and cell typing, is
 PT designed to detect single-nucleotide polymorphisms and cytosine
 PT methylation status.

XX Claim 1; SEQ ID NO 349450; 29pp + Sequence Listing; German.

XX This invention describes novel oligonucleotide primers or peptide nucleic
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
 CC and cytosine methylation status in chemically pretreated genomic DNA. The
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
 CC range of diseases including immune system, gastrointestinal, respiratory,
 CC central nervous system, cardiovascular and metabolic disorders. The

CC oligomers are also used for detecting cell type differentiation. ABC00010
 CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
 CC represent the oligomers described in the invention. NOTE: The sequence
 CC data for this patent did not form part of the printed specification, but
 CC was obtained in electronic format from WIPO at
 CC ftp.wipo.int/pub/published_pct_sequences

XX Sequence 12 BP; 7 A; 2 C; 0 G; 3 T; 0 U; 0 Other;

Query Match 12.3%; Score 9; DB 1; Length 12;
 Best Local Similarity 100.0%; Pred. No. 1.4e+03;
 Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 945 TGGTTTAAT 953

DB 10 TGGTTTAAT 2

RESULT 2708

ABI71445/c
 ID ABI71445 standard; DNA; 12 BP.

XX AC ABI71445;

XX 22-FEB-2002 (first entry)

DE Oligonucleotide primer SEQ ID NO 371418 for detecting SNP TSC0058760.

XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
 KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
 KW central nervous system; gastrointestinal; respiratory; immune; metabolic.

XX Homo sapiens.

XX WO200177384-A2.

XX 18-OCT-2001.

XX 06-APR-2001; 2001WO-IB000713.

XX 07-APR-2000; 2000DE-01019173.

XX (EPIC-) EPIGENOMICS AG.

XX Olek A, Piepenbrock C, Berlin K;

XX WPI; 2001-657177/75.

XX Set of oligonucleotides, useful for diagnosis and cell typing, is
 PT designed to detect single-nucleotide polymorphisms and cytosine
 PT methylation status.

XX Claim 1; SEQ ID NO 371418; 29pp + Sequence Listing; German.

XX This invention describes novel oligonucleotide primers or peptide nucleic
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
 CC and cytosine methylation status in chemically pretreated genomic DNA. The
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
 CC range of diseases including immune system, gastrointestinal, respiratory,
 CC central nervous system, cardiovascular and metabolic disorders. The
 CC oligomers are also used for detecting cell type differentiation. ABC00010
 CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
 CC represent the oligomers described in the invention. NOTE: The sequence
 CC data for this patent did not form part of the printed specification, but
 CC was obtained in electronic format from WIPO at
 CC ftp.wipo.int/pub/published_pct_sequences

XX Sequence 12 BP; 5 A; 3 C; 0 G; 4 T; 0 U; 0 Other;

Query Match 12.3%; Score 9; DB 1; Length 12;
 Best Local Similarity 100.0%; Pred. No. 1.4e+03;
 Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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Qy      943 ATTGGTTTA 951
Db      9 ATTGGTTTA 1
|||||

RESULT 2709
ABH72995
ID      ABI72995 standard; DNA; 12 BP.
XX
AC      ABH72995;
XX
DT      22-FEB-2002 (first entry)
XX
DE      Oligonucleotide primer SEQ ID NO 372968 for detecting SNP TSC0059753.
XX
KW      SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW      peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW      central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS      Homo sapiens.
XX
PN      WO200177384-A2.
XX
PD      18-OCT-2001.
XX
PF      06-APR-2001; 2001WO-IB000713.
XX
PR      07-APR-2000; 2000DE-01019173.
XX
PA      (EPIG-) EPIGENOMICS AG.
XX
PI      Olek A, Piepenbrock C, Berlin K;
XX
DR      WPI; 2001-657177/75.
XX
PT      Set of oligonucleotides, useful for diagnosis and cell typing, is
PT      designed to detect single-nucleotide polymorphisms and cytosine
PT      methylation status.
XX
PS      Claim 1; SEQ ID NO 372968; 29pp + Sequence Listing; German.
XX
CC      This invention describes novel oligonucleotide primers or peptide nucleic
CC      acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC      and cytosine methylation status in chemically pretreated genomic DNA. The
CC      oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC      range of diseases including immune system, gastrointestinal, respiratory,
CC      central nervous system, cardiovascular and metabolic disorders. The
CC      oligomers are also used for detecting cell type differentiation. ABC00010
CC      -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC      represent the oligomers described in the invention. NOTE: The sequence
CC      data for this patent did not form part of the printed specification, but
CC      was obtained in electronic format from WIPO at
CC      ftp.wipo.int/pub/published_pct_sequences
XX
SQ      Sequence 12 BP; 2 A; 2 C; 0 G; 8 T; 0 U; 0 Other;
XX
Query Match      12.3%; Score 9; DB 1; Length 12;
Best Local Similarity 100.0%; Pred. No. 1.4e+03;
Matches      9; Conservative      0; Mismatches      0; Indels      0; Gaps      0;

Qy      907 ATTTCTTT 915
Db      3 ATTTCTTT 11
|||||

RESULT 2710
ABH98656
ID      ABH98656 standard; DNA; 12 BP.
XX
AC      ABH98656;
XX
DT      22-FEB-2002 (first entry)
XX
DE      Oligonucleotide primer SEQ ID NO 301399 for detecting SNP TSC0019482.
XX
KW      SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW      peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW      central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS      Homo sapiens.
XX
PN      WO200177384-A2.
XX
PD      18-OCT-2001.
XX
PF      06-APR-2001; 2001WO-IB000713.
XX
PT      Set of oligonucleotides, useful for diagnosis and cell typing, is
PT      designed to detect single-nucleotide polymorphisms and cytosine
PT      methylation status.
XX
PS      Claim 1; SEQ ID NO 298649; 29pp + Sequence Listing; German.
XX
CC      This invention describes novel oligonucleotide primers or peptide nucleic
CC      acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC      and cytosine methylation status in chemically pretreated genomic DNA. The
CC      oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC      range of diseases including immune system, gastrointestinal, respiratory,
CC      central nervous system, cardiovascular and metabolic disorders. The
CC      oligomers are also used for detecting cell type differentiation. ABC00010
CC      -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC      represent the oligomers described in the invention. NOTE: The sequence
CC      data for this patent did not form part of the printed specification, but
CC      was obtained in electronic format from WIPO at
CC      ftp.wipo.int/pub/published_pct_sequences
XX
SQ      Sequence 12 BP; 3 A; 1 C; 0 G; 8 T; 0 U; 0 Other;
XX
Query Match      12.3%; Score 9; DB 1; Length 12;
Best Local Similarity 100.0%; Pred. No. 1.4e+03;
Matches      9; Conservative      0; Mismatches      0; Indels      0; Gaps      0;

Qy      907 ATTTCTTT 915
Db      1 ATTTCTTT 9
|||||

RESULT 2711
ABH101426/C
ID      ABH101426 standard; DNA; 12 BP.
XX
AC      ABH101426;
XX
DT      22-FEB-2002 (first entry)
XX
DE      Oligonucleotide primer SEQ ID NO 301399 for detecting SNP TSC0019482.
XX
KW      SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW      peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW      central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS      Homo sapiens.
XX
PN      WO200177384-A2.
XX
PD      18-OCT-2001.
XX
PF      06-APR-2001; 2001WO-IB000713.

```

XX 07-APR-2000; 2000DE-01019173.
 XX (EPIC-) EPIGENOMICS AG.
 XX Olek A, Piepenbrock C, Berlin K;
 XX WPI; 2001-657177/75.
 XX Set of oligonucleotides, useful for diagnosis and cell typing, is
 PT designed to detect single-nucleotide polymorphisms and cytosine
 PT methylation status.
 XX Claim 1; SEQ ID NO 301399; 29pp + Sequence Listing; German.
 XX This invention describes novel oligonucleotide primers or peptide nucleic
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
 CC and cytosine methylation status in chemically pretreated genomic DNA. The
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
 CC range of diseases including immune system, gastrointestinal, respiratory,
 CC central nervous system, cardiovascular and metabolic disorders. The
 CC oligomers are also used for detecting cell type differentiation. ABC00010
 CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
 CC represent the oligomers described in the invention. NOTE: The sequence
 CC data for this patent did not form part of the printed specification, but
 CC was obtained in electronic format from WIPO at
 CC ftp.wipo.int/pub/published_pct_sequences
 XX
 SQ Sequence 12 BP; 6 A; 0 C; 4 G; 2 T; 0 U; 0 Other;
 Query Match 12.3%; Score 9; DB 1; Length 12;
 Best Local Similarity 100.0%; Pred. No. 1.4e+03;
 Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
 QY 926 TTTTATCCC 934
 DB 9 TTTTATCCC 1
 RESULT 2712
 ABH27240/C
 ID ABI27240 standard; DNA; 12 BP.
 XX AC ABI27240;
 XX 22-FEB-2002 (first entry)
 DE Oligonucleotide primer SEQ ID NO 327213 for detecting SNP TSC0033501.
 XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
 KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
 KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
 XX Homo sapiens.
 OS
 XX WO200177384-A2.
 PN 18-OCT-2001.
 XX 06-APR-2001; 2001WO-IB000713.
 PF 07-APR-2000; 2000DE-01019173.
 XX (EPIC-) EPIGENOMICS AG.
 XX Olek A, Piepenbrock C, Berlin K;
 XX WPI; 2001-657177/75.
 XX Set of oligonucleotides, useful for diagnosis and cell typing, is
 PT designed to detect single-nucleotide polymorphisms and cytosine
 PT methylation status.

PS Claim 1; SEQ ID NO 327213; 29pp + Sequence Listing; German.
 XX This invention describes novel oligonucleotide primers or peptide nucleic
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
 CC and cytosine methylation status in chemically pretreated genomic DNA. The
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
 CC range of diseases including immune system, gastrointestinal, respiratory,
 CC central nervous system, cardiovascular and metabolic disorders. The
 CC oligomers are also used for detecting cell type differentiation. ABC00010
 CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
 CC represent the oligomers described in the invention. NOTE: The sequence
 CC data for this patent did not form part of the printed specification, but
 CC was obtained in electronic format from WIPO at
 CC ftp.wipo.int/pub/published_pct_sequences
 XX
 SQ Sequence 12 BP; 5 A; 0 C; 4 G; 3 T; 0 U; 0 Other;
 Query Match 12.3%; Score 9; DB 1; Length 12;
 Best Local Similarity 100.0%; Pred. No. 1.4e+03;
 Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
 QY 928 TTATCCCTC 936
 DB 12 TTATCCCTC 4
 RESULT 2713
 ABH77500/C
 ID ABH77500 standard; DNA; 12 BP.
 XX AC ABH77500;
 XX 22-FEB-2002 (first entry)
 DE Oligonucleotide primer SEQ ID NO 277493 for detecting SNP TSC0004486.
 XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
 KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
 KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
 XX Homo sapiens.
 OS
 XX WO200177384-A2.
 PN 18-OCT-2001.
 XX 06-APR-2001; 2001WO-IB000713.
 PF 07-APR-2000; 2000DE-01019173.
 XX (EPIC-) EPIGENOMICS AG.
 XX Olek A, Piepenbrock C, Berlin K;
 XX WPI; 2001-657177/75.
 XX Set of oligonucleotides, useful for diagnosis and cell typing, is
 PT designed to detect single-nucleotide polymorphisms and cytosine
 PT methylation status.
 XX Claim 1; SEQ ID NO 277493; 29pp + Sequence Listing; German.
 XX This invention describes novel oligonucleotide primers or peptide nucleic
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
 CC and cytosine methylation status in chemically pretreated genomic DNA. The
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
 CC range of diseases including immune system, gastrointestinal, respiratory,
 CC central nervous system, cardiovascular and metabolic disorders. The
 CC oligomers are also used for detecting cell type differentiation. ABC00010
 CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
 CC represent the oligomers described in the invention. NOTE: The sequence
 CC data for this patent did not form part of the printed specification, but
 CC was obtained in electronic format from WIPO at

```
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 12 BP; 3 A; 0 C; 8 G; 1 T; 0 U; 0 Other;

Query Match      12.3%; Score 9; DB 1; Length 12;
Best Local Similarity 100.0%; Pred. No. 1.4e+03;
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 931 TCCCTCCTC 939
DB 12 TCCCTCCTC 4

RESULT 2714
ABH78286/c
ID ABH78286 standard; DNA; 12 BP.
XX
AC ABH78286;
XX
XX
XX 22-FEB-2002 (first entry)
XX
XX Oligonucleotide primer SEQ ID NO 278279 for detecting SNP TSC0005952.
XX
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
XX Homo sapiens.
XX
XX WO200177384-A2.
XX
XX 18-OCT-2001.
XX
XX 06-APR-2001; 2001WO-IB000713.
XX
XX 07-APR-2000; 2000DE-01019173.
XX
XX (EPIG-) EPIGENOMICS AG.
XX
XX Olek A, Piepenbrock C, Berlin K;
XX
XX WPI; 2001-657177/75.
XX
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
XX designed to detect single-nucleotide polymorphisms and cytosine
XX methylation status.
XX
XX Claim 1; SEQ ID NO 278279; 29pp + Sequence Listing; German.
XX
XX This invention describes novel oligonucleotide primers or peptide nucleic
XX acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
XX and cytosine methylation status in chemically pretreated genomic DNA. The
XX oligonucleotides are used for diagnosis and/or prognosis of cancer and a
XX range of diseases including immune system, gastrointestinal, respiratory,
XX central nervous system, cardiovascular and metabolic disorders. The
XX oligomers are also used for detecting cell type differentiation. ABC00010
XX -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
XX represent the oligomers described in the invention. NOTE: The sequence
XX data for this patent did not form part of the printed specification, but
XX was obtained in electronic format from WIPO at
XX ftp.wipo.int/pub/published_pct_sequences
XX
XX SQ Sequence 12 BP; 7 A; 1 C; 0 G; 4 T; 0 U; 0 Other;

Query Match      12.3%; Score 9; DB 1; Length 12;
Best Local Similarity 100.0%; Pred. No. 1.4e+03;
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 949 TTAATGTAT 957
DB 12 TTAATGTAT 4

RESULT 2715
ABH79871
ID ABH79871 standard; DNA; 12 BP.
XX
AC ABH79871;
XX
XX
XX 22-FEB-2002 (first entry)
XX
XX Oligonucleotide primer SEQ ID NO 279864 for detecting SNP TSC0007982.
XX
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
XX Homo sapiens.
XX
XX WO200177384-A2.
XX
XX 18-OCT-2001.
XX
XX 06-APR-2001; 2001WO-IB000713.
XX
XX 07-APR-2000; 2000DE-01019173.
XX
XX (EPIG-) EPIGENOMICS AG.
XX
XX Olek A, Piepenbrock C, Berlin K;
XX
XX WPI; 2001-657177/75.
XX
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
XX designed to detect single-nucleotide polymorphisms and cytosine
XX methylation status.
XX
XX Claim 1; SEQ ID NO 329815; 29pp + Sequence Listing; German.
XX
XX This invention describes novel oligonucleotide primers or peptide nucleic
XX acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
XX and cytosine methylation status in chemically pretreated genomic DNA. The
XX oligonucleotides are used for diagnosis and/or prognosis of cancer and a
XX range of diseases including immune system, gastrointestinal, respiratory,
XX central nervous system, cardiovascular and metabolic disorders. The
XX oligomers are also used for detecting cell type differentiation. ABC00010
XX -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
XX represent the oligomers described in the invention. NOTE: The sequence
XX data for this patent did not form part of the printed specification, but
XX was obtained in electronic format from WIPO at
XX ftp.wipo.int/pub/published_pct_sequences
XX
XX SQ Sequence 12 BP; 3 A; 3 C; 0 G; 6 T; 0 U; 0 Other;

Query Match      12.3%; Score 9; DB 1; Length 12;
Best Local Similarity 100.0%; Pred. No. 1.4e+03;
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 925 CTTTATCC 933
DB 1 CTTTATCC 9

RESULT 2716
ABH79871
ID ABH79871 standard; DNA; 12 BP.
XX
AC ABH79871;
XX
XX
XX 22-FEB-2002 (first entry)
XX
XX Oligonucleotide primer SEQ ID NO 279864 for detecting SNP TSC0007982.
XX
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX central nervous system; gastrointestinal; respiratory; immune; metabolic.
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XX OS Homo sapiens.
XX PN WO200177384-A2.
XX PD 18-OCT-2001.
XX PF 06-APR-2001; 2001WO-IB000713.
XX PR 07-APR-2000; 2000DE-01019173.
XX PA (EPIG-) EPIGENOMICS AG.
XX PI Olek A, Piepenbrock C, Berlin K;
XX PX WPI; 2001-657177/75.
XX PT Set of oligonucleotides, useful for diagnosis and cell typing, is
XX PT designed to detect single-nucleotide polymorphisms and cytosine
XX PT methylation status.
XX PS Claim 1; SEQ ID NO 279864; 29pp + Sequence Listing; German.
XX CC This invention describes novel oligonucleotide primers or peptide nucleic
XX CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
XX CC and cytosine methylation status in chemically pretreated genomic DNA. The
XX CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
XX CC range of diseases including immune system, gastrointestinal, respiratory,
XX CC central nervous system, cardiovascular and metabolic disorders. The
XX CC oligomers are also used for detecting cell type differentiation. ABC00010
XX CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABT00010-ABT82073
XX CC represent the oligomers described in the invention. NOTE: The sequence
XX CC data for this patent did not form part of the printed specification, but
XX CC was obtained in electronic format from WIPO at
XX CC ftp.wipo.int/pub/published_pct_sequences
XX SQ Sequence 12 BP; 2 A; 1 C; 4 G; 5 T; 0 U; 0 Other;
Query Match 12.3%; Score 9; DB 1; Length 12;
Best Local Similarity 100.0%; Pred. No. 1.4e+03;
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 947 GTTTAATGT 955
DB 1 GTTTAATGT 9
RESULT 2717
ABH87718/c
ID ABH87718 standard; DNA; 12 BP.
XX AC ABH87718;
XX DT 22-FEB-2002 (first entry)
XX DE Oligonucleotide primer SEQ ID NO 279711 for detecting SNP TSC0013217.
XX KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX OS Homo sapiens.
XX PN WO200177384-A2.
XX PD 18-OCT-2001.
XX PF 06-APR-2001; 2001WO-IB000713.
XX PR 07-APR-2000; 2000DE-01019173.
XX PA (EPIG-) EPIGENOMICS AG.
XX PI Olek A, Piepenbrock C, Berlin K;
XX PX WPI; 2001-657177/75.
XX PT Set of oligonucleotides, useful for diagnosis and cell typing, is
XX PT designed to detect single-nucleotide polymorphisms and cytosine
XX PT methylation status.
XX PS Claim 1; SEQ ID NO 279864; 29pp + Sequence Listing; German.
XX CC This invention describes novel oligonucleotide primers or peptide nucleic
XX CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
XX CC and cytosine methylation status in chemically pretreated genomic DNA. The
XX CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
XX CC range of diseases including immune system, gastrointestinal, respiratory,
XX CC central nervous system, cardiovascular and metabolic disorders. The
XX CC oligomers are also used for detecting cell type differentiation. ABC00010
XX CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABT00010-ABT82073
XX CC represent the oligomers described in the invention. NOTE: The sequence
XX CC data for this patent did not form part of the printed specification, but
XX CC was obtained in electronic format from WIPO at
XX CC ftp.wipo.int/pub/published_pct_sequences
XX SQ Sequence 12 BP; 2 A; 1 C; 4 G; 5 T; 0 U; 0 Other;
Query Match 12.3%; Score 9; DB 1; Length 12;
Best Local Similarity 100.0%; Pred. No. 1.4e+03;
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 947 GTTTAATGT 955
DB 1 GTTTAATGT 9
RESULT 2718
ABH87718/c
ID ABH87718 standard; DNA; 12 BP.
XX AC ABH87718;
XX DT 22-FEB-2002 (first entry)
XX DE Oligonucleotide primer SEQ ID NO 337831 for detecting SNP TSC0040087.
XX KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX OS Homo sapiens.
XX PN WO200177384-A2.
XX PD 18-OCT-2001.
XX PF 06-APR-2001; 2001WO-IB000713.
XX PR 07-APR-2000; 2000DE-01019173.
XX PA (EPIG-) EPIGENOMICS AG.
XX PI Olek A, Piepenbrock C, Berlin K;
XX PX WPI; 2001-657177/75.
XX PT Set of oligonucleotides, useful for diagnosis and cell typing, is
XX PT designed to detect single-nucleotide polymorphisms and cytosine
XX PT methylation status.
XX PS Claim 1; SEQ ID NO 337831; 29pp + Sequence Listing; German.
XX CC This invention describes novel oligonucleotide primers or peptide nucleic
XX CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
XX CC and cytosine methylation status in chemically pretreated genomic DNA. The

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PI Olek A, Piepenbrock C, Berlin K;
XX WPI; 2001-657177/75.
XX PT Set of oligonucleotides, useful for diagnosis and cell typing, is
XX PT designed to detect single-nucleotide polymorphisms and cytosine
XX PT methylation status.
XX PS Claim 1; SEQ ID NO 287711; 29pp + Sequence Listing; German.
XX CC This invention describes novel oligonucleotide primers or peptide nucleic
XX CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
XX CC and cytosine methylation status in chemically pretreated genomic DNA. The
XX CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
XX CC range of diseases including immune system, gastrointestinal, respiratory,
XX CC central nervous system, cardiovascular and metabolic disorders. The
XX CC oligomers are also used for detecting cell type differentiation. ABC00010
XX CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABT00010-ABT82073
XX CC represent the oligomers described in the invention. NOTE: The sequence
XX CC data for this patent did not form part of the printed specification, but
XX CC was obtained in electronic format from WIPO at
XX CC ftp.wipo.int/pub/published_pct_sequences
XX SQ Sequence 12 BP; 6 A; 3 C; 0 G; 3 T; 0 U; 0 Other;
Query Match 12.3%; Score 9; DB 1; Length 12;
Best Local Similarity 100.0%; Pred. No. 1.4e+03;
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 947 GTTTAATGT 955
DB 12 GTTTAATGT 4
RESULT 2718
ABH87718/c
ID ABH87718 standard; DNA; 12 BP.
XX AC ABH87718;
XX DT 22-FEB-2002 (first entry)
XX DE Oligonucleotide primer SEQ ID NO 337831 for detecting SNP TSC0040087.
XX KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX OS Homo sapiens.
XX PN WO200177384-A2.
XX PD 18-OCT-2001.
XX PF 06-APR-2001; 2001WO-IB000713.
XX PR 07-APR-2000; 2000DE-01019173.
XX PA (EPIG-) EPIGENOMICS AG.
XX PI Olek A, Piepenbrock C, Berlin K;
XX PX WPI; 2001-657177/75.
XX PT Set of oligonucleotides, useful for diagnosis and cell typing, is
XX PT designed to detect single-nucleotide polymorphisms and cytosine
XX PT methylation status.
XX PS Claim 1; SEQ ID NO 337831; 29pp + Sequence Listing; German.
XX CC This invention describes novel oligonucleotide primers or peptide nucleic
XX CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
XX CC and cytosine methylation status in chemically pretreated genomic DNA. The

```

CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC9989, ABF00010-ABF9989, ABH00010-ABH9989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 12 BP; 4 A; 0 C; 1 G; 7 T; 0 U; 0 Other;

Query Match 12.3%; Score 9; DB 1; Length 12;
Best Local Similarity 100.0%; Pred. No. 1.4e+03;
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 949 TTAATGTAT 957
DB 4 TTAATGTAT 12
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|
RESULT 2719
ABI44974/C
ID ABI44974 standard; DNA; 12 BP.
XX
AC ABI44974;
XX
DT 22-FEB-2002 (first entry)
XX
DE Oligonucleotide primer SEQ ID NO 344947 for detecting SNP TSC0043792.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
FN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
DR WPI; 2001-657177/75.
XX
PT Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
PS Claim 1; SEQ ID NO 344947; 29pp + Sequence Listing; German.
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC9989, ABF00010-ABF9989, ABH00010-ABH9989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 12 BP; 4 A; 0 C; 5 G; 3 T; 0 U; 0 Other;

Query Match 12.3%; Score 9; DB 1; Length 12;
Best Local Similarity 100.0%; Pred. No. 1.4e+03;
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Best Local Similarity 100.0%; Pred. No. 1.4e+03;
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 930 ATCCCTCCT 938
DB 10 ATCCCTCCT 2
|||||
|
RESULT 2720
ABI53048
ID ABI53048 standard; DNA; 12 BP.
XX
AC ABI53048;
XX
DT 22-FEB-2002 (first entry)
XX
DE Oligonucleotide primer SEQ ID NO 353021 for detecting SNP TSC0048250.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
FN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
DR WPI; 2001-657177/75.
XX
PT Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
PS Claim 1; SEQ ID NO 353021; 29pp + Sequence Listing; German.
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC9989, ABF00010-ABF9989, ABH00010-ABH9989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 12 BP; 5 A; 0 C; 2 G; 5 T; 0 U; 0 Other;

Query Match 12.3%; Score 9; DB 1; Length 12;
Best Local Similarity 100.0%; Pred. No. 1.4e+03;
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 949 TTAATGTAT 957
DB 4 TTAATGTAT 12
|||||
|
RESULT 2721
ABI5373
ID ABI5373 standard; DNA; 12 BP.
XX
AC ABI5373;
XX

PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.

XX Claim 1; SEQ ID NO 293607; 29pp + Sequence Listing; German.

XX This invention describes novel oligonucleotide primers or peptide nucleic
XX acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
XX and cytosine methylation status in chemically pretreated genomic DNA. The
XX oligonucleotides are used for diagnosis and/or prognosis of cancer and a
XX range of diseases including immune system, gastrointestinal, respiratory,
XX central nervous system, cardiovascular and metabolic disorders. The
XX oligomers are also used for detecting cell type differentiation. ABC00010
XX -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
XX represent the oligomers described in the invention. NOTE: The sequence
XX data for this patent did not form part of the printed specification, but
XX was obtained in electronic format from WIPO at
XX ftp.wipo.int/pub/published_pct_sequences

XX Sequence 12 BP; 3 A; 3 C; 0 G; 6 T; 0 U; 0 Other;

XX Query Match 12.3%; Score 9; DB 1; Length 12;
XX Best Local Similarity 100.0%; Pred. No. 1.4e+03;
XX Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 906 CATTTCCT 914
Db 4 CATTTCCT 12

RESULT 2724

ABH95642/C
ID ABH95642 standard; DNA; 12 BP.

XX AC ABH95642;

XX DT 22-FEB-2002 (first entry)

XX Oligonucleotide primer SEQ ID NO 295635 for detecting SNP TSC0016664.

XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX central nervous system; gastrointestinal; respiratory; immune; metabolic.

XX Homo sapiens.

XX WO200177384-A2.

XX PD 18-OCT-2001.

XX PF 06-APR-2001; 2001WO-IB000713.

XX PR 07-APR-2000; 2000DE-01019173.

XX PA (EPIG-) EPIGENOMICS AG.

XX PI Olek A, Piepenbrock C, Berlin K;

XX WPI; 2001-657177/75.

XX Set of oligonucleotides, useful for diagnosis and cell typing, is
XX designed to detect single-nucleotide polymorphisms and cytosine
XX methylation status.

XX Claim 1; SEQ ID NO 295635; 29pp + Sequence Listing; German.

XX This invention describes novel oligonucleotide primers or peptide nucleic
XX acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
XX and cytosine methylation status in chemically pretreated genomic DNA. The
XX oligonucleotides are used for diagnosis and/or prognosis of cancer and a
XX range of diseases including immune system, gastrointestinal, respiratory,
XX central nervous system, cardiovascular and metabolic disorders. The
XX oligomers are also used for detecting cell type differentiation. ABC00010
XX -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073

CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences

XX Sequence 12 BP; 6 A; 0 C; 3 G; 3 T; 0 U; 0 Other;

XX Query Match 12.3%; Score 9; DB 1; Length 12;
XX Best Local Similarity 100.0%; Pred. No. 1.4e+03;
XX Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 925 CTTTATCC 933
Db 9 CTTTATCC 1

RESULT 2725

ABI20773
ID ABI20773 standard; DNA; 12 BP.

XX AC ABI20773;

XX DT 22-FEB-2002 (first entry)

XX Oligonucleotide primer SEQ ID NO 320746 for detecting SNP TSC0029862.

XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX central nervous system; gastrointestinal; respiratory; immune; metabolic.

XX Homo sapiens.

XX WO200177384-A2.

XX PD 18-OCT-2001.

XX PF 06-APR-2001; 2001WO-IB000713.

XX PR 07-APR-2000; 2000DE-01019173.

XX PA (EPIG-) EPIGENOMICS AG.

XX PI Olek A, Piepenbrock C, Berlin K;

XX WPI; 2001-657177/75.

XX Set of oligonucleotides, useful for diagnosis and cell typing, is
XX designed to detect single-nucleotide polymorphisms and cytosine
XX methylation status.

XX Claim 1; SEQ ID NO 320746; 29pp + Sequence Listing; German.

XX This invention describes novel oligonucleotide primers or peptide nucleic
XX acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
XX and cytosine methylation status in chemically pretreated genomic DNA. The
XX oligonucleotides are used for diagnosis and/or prognosis of cancer and a
XX range of diseases including immune system, gastrointestinal, respiratory,
XX central nervous system, cardiovascular and metabolic disorders. The
XX oligomers are also used for detecting cell type differentiation. ABC00010
XX -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
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XX data for this patent did not form part of the printed specification, but
XX was obtained in electronic format from WIPO at
XX ftp.wipo.int/pub/published_pct_sequences

XX Sequence 12 BP; 3 A; 0 C; 3 G; 6 T; 0 U; 0 Other;

XX Query Match 12.3%; Score 9; DB 1; Length 12;
XX Best Local Similarity 100.0%; Pred. No. 1.4e+03;
XX Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 944 TTGGTTAA 952
|||||

Db 3 TTGGTTAA 11

RESULT 2726
ABI27241/C
ID ABI27241 standard; DNA; 12 BP.
XX AC
XX ABI27241;
XX
DT 22-FEB-2002 (first entry)
XX
DE Oligonucleotide primer SEQ ID NO 327214 for detecting SNP TSC0033501.
XX
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
XX WPI; 2001-657177/75.
XX
PT Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
PS Claim 1; SEQ ID NO 327214; 29pp + Sequence Listing; German.
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 12 BP; 5 A; 1 C; 4 G; 2 T; 0 U; 0 Other;

Query Match 12.3%; Score 9; DB 1; Length 12;
Best Local Similarity 100.0%; Pred. No. 1.4e+03;
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 928 TTATCCCTC 936
Db 12 TTATCCCTC 4

RESULT 2727
ABI33479/C
ID ABI33479 standard; DNA; 12 BP.
XX AC
XX ABI33479;
XX
DT 22-FEB-2002 (first entry)
XX
DE Oligonucleotide primer SEQ ID NO 333452 for detecting SNP TSC0037552.
XX

SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
XX WPI; 2001-657177/75.
XX
PT Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
PS Claim 1; SEQ ID NO 333452; 29pp + Sequence Listing; German.
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 12 BP; 6 A; 2 C; 0 G; 4 T; 0 U; 0 Other;

Query Match 12.3%; Score 9; DB 1; Length 12;
Best Local Similarity 100.0%; Pred. No. 1.4e+03;
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 948 TTTAATGTA 956
Db 9 TTTAATGTA 1

RESULT 2728
ABI84492
ID ABI84492 standard; DNA; 12 BP.
XX AC
XX ABI84492;
XX
DT 22-FEB-2002 (first entry)
XX
DE Oligonucleotide primer SEQ ID NO 284485 for detecting SNP TSC0011850.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB000713.
XX
PR 07-APR-2000; 2000DE-01019173.

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XX PA (EPiG-) EPIGENOMICS AG.
XX PI Olek A, Piepenbrock C, Berlin K;
XX DR WPI; 2001-657177/75.
XX PT Set of oligonucleotides, useful for diagnosis and cell typing, is
XX PT designed to detect single-nucleotide polymorphisms and cytosine
XX PT methylation status.
XX PS Claim 1; SEQ ID NO 284485; 29pp + Sequence Listing; German.
XX
XX CC This invention describes novel oligonucleotide primers or peptide nucleic
XX CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
XX CC and cytosine methylation status in chemically pretreated genomic DNA. The
XX CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
XX CC range of diseases including immune system, gastrointestinal, respiratory,
XX CC central nervous system, cardiovascular and metabolic disorders. The
XX CC oligomers are also used for detecting cell type differentiation. ABC00010
XX CC -ABC9989, ABF00010-ABF9989, ABH00010-ABH9989 and ABI00010-ABI82073
XX CC represent the oligomers described in the invention. NOTE: The sequence
XX CC data for this patent did not form part of the printed specification, but
XX CC was obtained in electronic format from WIPO at
XX CC ftp.wipo.int/pub/published_pct_sequences
XX
XX SQ Sequence 12 BP; 4 A; 3 C; 0 G; 5 T; 0 U; 0 Other;
XX
XX Query Match 12.3%; Score 9; DB 1; Length 12;
XX Best Local Similarity 100.0%; Pred. No. 1.4e+03;
XX Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
XX
XX QY 925 CTTTATCC 933
XX Db 1 CTTTATCC 9
XX
XX RESULT 2729
XX ID ABI36252 standard; DNA; 12 BP.
XX AC ABI36252;
XX DT 22-FEB-2002 (first entry)
XX DE Oligonucleotide primer SEQ ID NO 336225 for detecting SNP TSC0039257.
XX SN; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX OS Homo sapiens.
XX PN WO200177384-A2.
XX PD 18-OCT-2001.
XX PF 06-APR-2001; 2001WO-IB000713.
XX PR 07-APR-2000; 2000DE-01019173.
XX PA (EPiG-) EPIGENOMICS AG.
XX PI Olek A, Piepenbrock C, Berlin K;
XX DR WPI; 2001-657177/75.
XX CC Set of oligonucleotides, useful for diagnosis and cell typing, is
XX CC designed to detect single-nucleotide polymorphisms and cytosine
XX CC methylation status.
XX PS Claim 1; SEQ ID NO 336225; 29pp + Sequence Listing; German.
XX

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XX CC This invention describes novel oligonucleotide primers or peptide nucleic
XX CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
XX CC and cytosine methylation status in chemically pretreated genomic DNA. The
XX CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
XX CC range of diseases including immune system, gastrointestinal, respiratory,
XX CC central nervous system, cardiovascular and metabolic disorders. The
XX CC oligomers are also used for detecting cell type differentiation. ABC00010
XX CC -ABC9989, ABF00010-ABF9989, ABH00010-ABH9989 and ABI00010-ABI82073
XX CC represent the oligomers described in the invention. NOTE: The sequence
XX CC data for this patent did not form part of the printed specification, but
XX CC was obtained in electronic format from WIPO at
XX CC ftp.wipo.int/pub/published_pct_sequences
XX
XX SQ Sequence 12 BP; 7 A; 0 C; 3 G; 2 T; 0 U; 0 Other;
XX
XX Query Match 12.3%; Score 9; DB 1; Length 12;
XX Best Local Similarity 100.0%; Pred. No. 1.4e+03;
XX Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
XX
XX QY 924 CTTTATCC 932
XX Db 12 CTTTATCC 4
XX
XX RESULT 2730
XX ID ABH86163 standard; DNA; 12 BP.
XX AC ABH86163;
XX DT 22-FEB-2002 (first entry)
XX DE Oligonucleotide primer SEQ ID NO 286156 for detecting SNP TSC0012603.
XX SN; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX OS Homo sapiens.
XX PN WO200177384-A2.
XX PD 18-OCT-2001.
XX PF 06-APR-2001; 2001WO-IB000713.
XX PR 07-APR-2000; 2000DE-01019173.
XX PA (EPiG-) EPIGENOMICS AG.
XX PI Olek A, Piepenbrock C, Berlin K;
XX DR WPI; 2001-657177/75.
XX CC Set of oligonucleotides, useful for diagnosis and cell typing, is
XX CC designed to detect single-nucleotide polymorphisms and cytosine
XX CC methylation status.
XX PS Claim 1; SEQ ID NO 286156; 29pp + Sequence Listing; German.
XX
XX CC This invention describes novel oligonucleotide primers or peptide nucleic
XX CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
XX CC and cytosine methylation status in chemically pretreated genomic DNA. The
XX CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
XX CC range of diseases including immune system, gastrointestinal, respiratory,
XX CC central nervous system, cardiovascular and metabolic disorders. The
XX CC oligomers are also used for detecting cell type differentiation. ABC00010
XX CC -ABC9989, ABF00010-ABF9989, ABH00010-ABH9989 and ABI00010-ABI82073
XX CC represent the oligomers described in the invention. NOTE: The sequence
XX CC data for this patent did not form part of the printed specification, but
XX CC was obtained in electronic format from WIPO at
XX CC ftp.wipo.int/pub/published_pct_sequences
XX

```

SQ Sequence 12 BP; 1 A; 4 C; 0 G; 7 T; 0 U; 0 Other;

Query Match 12.3%; Score 9; DB 1; Length 12;
 Best Local Similarity 100.0%; Pred. No. 1.4e+03;
 Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 926 TTTTATCCC 934
 |||||
 Db 2 TTTTATCCC 10

RESULT 2731
 ABH87645
 ID ABH87645 standard; DNA; 12 BP.
 XX
 AC ABH87645;
 XX
 DT 22-FEB-2002 (first entry)
 XX
 DE Oligonucleotide primer SEQ ID NO 287638 for detecting SNP TSC0013177.
 XX
 DE SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
 XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
 KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
 KW
 XX Homo sapiens.
 OS
 XX WO200177384-A2.
 PN
 XX 18-OCT-2001.
 PD
 XX 06-APR-2001; 2001WO-IB000713.
 PF
 XX 07-APR-2000; 2000DE-01019173.
 PR
 XX (EPITG-) EPIGENOMICS AG.
 PA
 XX Olek A, Piepenbrock C, Berlin K;
 PI
 XX WPI; 2001-657177/75.
 DR
 XX Set of oligonucleotides, useful for diagnosis and cell typing, is
 PT designed to detect single-nucleotide polymorphisms and cytosine
 PT methylation status.
 PT
 XX Claim 1; SEQ ID NO 287638; 29pp + Sequence Listing; German.
 PS
 CC This invention describes novel oligonucleotide primers or peptide nucleic
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
 CC and cytosine methylation status in chemically pretreated genomic DNA. The
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
 CC range of diseases including immune system, gastrointestinal, respiratory,
 CC central nervous system, cardiovascular and metabolic disorders. The
 CC oligomers are also used for detecting cell type differentiation. ABC00010
 CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
 CC represent the oligomers described in the invention. NOTE: The sequence
 CC data for this patent did not form part of the printed specification, but
 CC was obtained in electronic format from WIPO at
 CC ftp.wipo.int/pub/published_pct_sequences
 CC
 XX Sequence 12 BP; 2 A; 0 C; 4 G; 6 T; 0 U; 0 Other;

Query Match 12.3%; Score 9; DB 1; Length 12;
 Best Local Similarity 100.0%; Pred. No. 1.4e+03;
 Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 945 TGGTTTAAAT 953
 |||||
 Db 4 TGGTTTAAAT 12

RESULT 2732
 ABI58542

ID ABI58542 standard; DNA; 12 BP.
 XX
 AC ABI58542;
 XX
 DT 22-FEB-2002 (first entry)
 XX
 DE Oligonucleotide primer SEQ ID NO 358515 for detecting SNP TSC0051168.
 XX
 DE SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
 KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
 KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
 KW
 XX Homo sapiens.
 OS
 XX WO200177384-A2.
 PN
 XX 18-OCT-2001.
 PD
 XX 06-APR-2001; 2001WO-IB000713.
 PF
 XX 07-APR-2000; 2000DE-01019173.
 PR
 XX (EPITG-) EPIGENOMICS AG.
 PA
 XX Olek A, Piepenbrock C, Berlin K;
 PI
 XX WPI; 2001-657177/75.
 DR
 XX Set of oligonucleotides, useful for diagnosis and cell typing, is
 PT designed to detect single-nucleotide polymorphisms and cytosine
 PT methylation status.
 PT
 XX Claim 1; SEQ ID NO 358515; 29pp + Sequence Listing; German.
 PS
 CC This invention describes novel oligonucleotide primers or peptide nucleic
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
 CC and cytosine methylation status in chemically pretreated genomic DNA. The
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
 CC range of diseases including immune system, gastrointestinal, respiratory,
 CC central nervous system, cardiovascular and metabolic disorders. The
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 CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
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 CC ftp.wipo.int/pub/published_pct_sequences
 CC
 XX Sequence 12 BP; 0 A; 6 C; 0 G; 6 T; 0 U; 0 Other;

Query Match 12.3%; Score 9; DB 1; Length 12;
 Best Local Similarity 100.0%; Pred. No. 1.4e+03;
 Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 933 CCTCCTCTT 941
 |||||
 Db 3 CCTCCTCTT 11

RESULT 2733
 ABI80610
 ID ABI80610 standard; DNA; 12 BP.
 XX
 AC ABI80610;
 XX
 DT 22-FEB-2002 (first entry)
 XX
 DE Oligonucleotide primer SEQ ID NO 380583 for detecting SNP TSC0063879.
 XX
 DE SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
 KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
 KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
 KW
 XX Homo sapiens.
 OS

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XX PN WO200177384-A2.
XX XX
XX PD 18-OCT-2001.
XX XX
XX PF 06-APR-2001; 2001WO-IB000713.
XX XX
XX PR 07-APR-2000; 2000DE-01019173.
XX XX
XX PA (EPIG-) EPIGENOMICS AG.
XX XX
XX PI Olek A, Piepenbrock C, Berlin K;
XX XX
XX DR WPI; 2001-657177/75.
XX XX
XX PT Set of oligonucleotides, useful for diagnosis and cell typing, is
XX PT designed to detect single-nucleotide polymorphisms and cytosine
XX PT methylation status.
XX XX
XX PS Claim 1; SEQ ID NO 317446; 29pp + Sequence Listing; German.
XX CC
XX CC This invention describes novel oligonucleotide primers or peptide nucleic
XX CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
XX CC and cytosine methylation status in chemically pretreated genomic DNA. The
XX CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
XX CC range of diseases including immune system, gastrointestinal, respiratory,
XX CC central nervous system, cardiovascular and metabolic disorders. The
XX CC oligomers are also used for detecting cell type differentiation. ABC00010
XX CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
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XX CC ftp.wipo.int/pub/published_pct_sequences
XX XX
XX SQ Sequence 12 BP; 3 A; 0 C; 2 G; 7 T; 0 U; 0 Other;
XX
XX Query Match 12.3%; Score 9; DB 1; Length 12;
XX Best Local Similarity 100.0%; Pred. No. 1.4e+03; Indels 0; Gaps 0;
XX Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
XX
XX QY 943 ATTGTTTA 951
XX DB 1 ATTGTTTA 9
XX
XX RESULT 2734
XX ABI17473/C
XX ID ABI17473 standard; DNA; 12 BP.
XX AC ABI17473;
XX XX
XX DT 22-FEB-2002 (first entry)
XX DE
XX DE Oligonucleotide primer SEQ ID NO 317446 for detecting SNP TSC0028021.
XX XX
XX KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX XX
XX OS Homo sapiens.
XX XX
XX PN WO200177384-A2.
XX XX
XX PD 18-OCT-2001.
XX XX
XX PF 06-APR-2001; 2001WO-IB000713.
XX XX
XX PR 07-APR-2000; 2000DE-01019173.
XX XX
XX PA (EPIG-) EPIGENOMICS AG.
XX XX
XX PI Olek A, Piepenbrock C, Berlin K;
XX XX
XX XX
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DR XX WPI; 2001-657177/75.
XX XX
XX PT Set of oligonucleotides, useful for diagnosis and cell typing, is
XX PT designed to detect single-nucleotide polymorphisms and cytosine
XX PT methylation status.
XX XX
XX PS Claim 1; SEQ ID NO 317446; 29pp + Sequence Listing; German.
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XX CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
XX CC and cytosine methylation status in chemically pretreated genomic DNA. The
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XX CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
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XX CC ftp.wipo.int/pub/published_pct_sequences
XX XX
XX SQ Sequence 12 BP; 7 A; 0 C; 4 G; 1 T; 0 U; 0 Other;
XX
XX Query Match 12.3%; Score 9; DB 1; Length 12;
XX Best Local Similarity 100.0%; Pred. No. 1.4e+03; Indels 0; Gaps 0;
XX Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
XX
XX QY 905 TCATTTCCT 913
XX DB 9 TCATTTCCT 1
XX
XX RESULT 2735
XX ABI20578/C
XX ID ABI20578 standard; DNA; 12 BP.
XX AC ABI20578;
XX XX
XX DT 22-FEB-2002 (first entry)
XX DE
XX DE Oligonucleotide primer SEQ ID NO 320551 for detecting SNP TSC0029787.
XX XX
XX KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX XX
XX OS Homo sapiens.
XX XX
XX PN WO200177384-A2.
XX XX
XX PD 18-OCT-2001.
XX XX
XX PF 06-APR-2001; 2001WO-IB000713.
XX XX
XX PR 07-APR-2000; 2000DE-01019173.
XX XX
XX PA (EPIG-) EPIGENOMICS AG.
XX XX
XX PI Olek A, Piepenbrock C, Berlin K;
XX XX
XX DR WPI; 2001-657177/75.
XX XX
XX PT Set of oligonucleotides, useful for diagnosis and cell typing, is
XX PT designed to detect single-nucleotide polymorphisms and cytosine
XX PT methylation status.
XX XX
XX PS Claim 1; SEQ ID NO 320551; 29pp + Sequence Listing; German.
XX CC
XX CC This invention describes novel oligonucleotide primers or peptide nucleic
XX CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
XX CC and cytosine methylation status in chemically pretreated genomic DNA. The
XX CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
XX CC range of diseases including immune system, gastrointestinal, respiratory,
XX CC central nervous system, cardiovascular and metabolic disorders. The
XX CC oligomers are also used for detecting cell type differentiation. ABC00010
XX CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
XX CC represent the oligomers described in the invention. NOTE: The sequence
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XX XX
XX SQ Sequence 12 BP; 7 A; 0 C; 4 G; 1 T; 0 U; 0 Other;
XX
XX Query Match 12.3%; Score 9; DB 1; Length 12;
XX Best Local Similarity 100.0%; Pred. No. 1.4e+03; Indels 0; Gaps 0;
XX Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
XX
XX QY 905 TCATTTCCT 913
XX DB 9 TCATTTCCT 1
XX
XX RESULT 2735
XX ABI20578/C
XX ID ABI20578 standard; DNA; 12 BP.
XX AC ABI20578;
XX XX
XX DT 22-FEB-2002 (first entry)
XX DE
XX DE Oligonucleotide primer SEQ ID NO 320551 for detecting SNP TSC0029787.
XX XX
XX KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX XX
XX OS Homo sapiens.
XX XX
XX PN WO200177384-A2.
XX XX
XX PD 18-OCT-2001.
XX XX
XX PF 06-APR-2001; 2001WO-IB000713.
XX XX
XX PR 07-APR-2000; 2000DE-01019173.
XX XX
XX PA (EPIG-) EPIGENOMICS AG.
XX XX
XX PI Olek A, Piepenbrock C, Berlin K;
XX XX
XX DR WPI; 2001-657177/75.
XX XX
XX PT Set of oligonucleotides, useful for diagnosis and cell typing, is
XX PT designed to detect single-nucleotide polymorphisms and cytosine
XX PT methylation status.
XX XX
XX PS Claim 1; SEQ ID NO 320551; 29pp + Sequence Listing; German.
XX CC
XX CC This invention describes novel oligonucleotide primers or peptide nucleic
XX CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
XX CC and cytosine methylation status in chemically pretreated genomic DNA. The
XX CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
XX CC range of diseases including immune system, gastrointestinal, respiratory,
XX CC central nervous system, cardiovascular and metabolic disorders. The
XX CC oligomers are also used for detecting cell type differentiation. ABC00010
XX CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
XX CC represent the oligomers described in the invention. NOTE: The sequence
XX CC data for this patent did not form part of the printed specification, but
XX CC was obtained in electronic format from WIPO at
XX CC ftp.wipo.int/pub/published_pct_sequences
XX XX
XX SQ Sequence 12 BP; 3 A; 0 C; 2 G; 7 T; 0 U; 0 Other;
XX
XX Query Match 12.3%; Score 9; DB 1; Length 12;
XX Best Local Similarity 100.0%; Pred. No. 1.4e+03; Indels 0; Gaps 0;
XX Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
XX
XX QY 943 ATTGTTTA 951
XX DB 1 ATTGTTTA 9
XX
XX RESULT 2734
XX ABI17473/C
XX ID ABI17473 standard; DNA; 12 BP.
XX AC ABI17473;
XX XX
XX DT 22-FEB-2002 (first entry)
XX DE
XX DE Oligonucleotide primer SEQ ID NO 317446 for detecting SNP TSC0028021.
XX XX
XX KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX XX
XX OS Homo sapiens.
XX XX
XX PN WO200177384-A2.
XX XX
XX PD 18-OCT-2001.
XX XX
XX PF 06-APR-2001; 2001WO-IB000713.
XX XX
XX PR 07-APR-2000; 2000DE-01019173.
XX XX
XX PA (EPIG-) EPIGENOMICS AG.
XX XX
XX PI Olek A, Piepenbrock C, Berlin K;
XX XX
XX XX
```

CC central nervous system, cardiovascular and metabolic disorders. The
 CC oligomers are also used for detecting cell type differentiation. ABC00010
 CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
 CC represent the oligomers described in the invention. NOTE: The sequence
 CC data for this patent did not form part of the printed specification, but
 CC was obtained in electronic format from WIPO at
 CC ftp.wipo.int/pub/published_pct_sequences
 XX
 SQ Sequence 12 BP; 4 A; 0 C; 6 G; 2 T; 0 U; 0 Other;

Query Match 12.3%; Score 9; DB 1; Length 12;
 Best Local Similarity 100.0%; Pred. No. 1.4e+03;
 Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 933 CCTCTCTCTT 941
 Db 9 CCTCTCTCTT 1
 RESULT 2736
 ABI23817/C
 ID ABI23817 standard; DNA; 12 BP.
 XX
 AC ABI23817;
 XX
 DT 22-FEB-2002 (first entry)
 XX
 DE Oligonucleotide primer SEQ ID NO 323790 for detecting SNP TSC0031611.

XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
 XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
 KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
 XX
 OS Homo sapiens.
 XX
 PN WO200177384-A2.
 XX
 PD 18-OCT-2001.

PF 06-APR-2001; 2001WO-IB000713.
 XX
 PR 07-APR-2000; 2000DE-01019173.
 XX
 PA (EPIG-) EPIGENOMICS AG.
 XX
 PI Olek A, Piepenbrock C, Berlin K;
 XX
 DR WPI; 2001-657177/75.
 XX
 PT Set of oligonucleotides, useful for diagnosis and cell typing, is
 PT designed to detect single-nucleotide polymorphisms and cytosine
 PT methylation status.
 XX
 PS Claim 1; SEQ ID NO 323790; 29pp + Sequence Listing; German.

XX This invention describes novel oligonucleotide primers or peptide nucleic
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
 CC and cytosine methylation status in chemically pretreated genomic DNA. The
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
 CC range of diseases including immune system, gastrointestinal, respiratory,
 CC central nervous system, cardiovascular and metabolic disorders. The
 CC oligomers are also used for detecting cell type differentiation. ABC00010
 CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
 CC represent the oligomers described in the invention. NOTE: the sequence
 CC data for this patent did not form part of the printed specification, but
 CC was obtained in electronic format from WIPO at
 CC ftp.wipo.int/pub/published_pct_sequences
 XX
 SQ Sequence 12 BP; 5 A; 3 C; 0 G; 4 T; 0 U; 0 Other;

Query Match 12.3%; Score 9; DB 1; Length 12;
 Best Local Similarity 100.0%; Pred. No. 1.4e+03;
 Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 945 TGGTTTAAT 953
 Db 11 TGGTTTAAT 3

RESULT 2737
 ABI12531/C
 ID ABI12531 standard; DNA; 12 BP.

XX
 AC ABI12531;
 XX
 DT 22-FEB-2002 (first entry)
 XX

DE Oligonucleotide primer SEQ ID NO 312504 for detecting SNP TSC0025096.
 XX
 KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
 KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
 KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
 XX
 OS Homo sapiens.
 XX
 PN WO200177384-A2.
 XX
 PD 18-OCT-2001.

XX
 PF 06-APR-2001; 2001WO-IB000713.
 XX
 PR 07-APR-2000; 2000DE-01019173.
 XX
 PA (EPIG-) EPIGENOMICS AG.

XX Olek A, Piepenbrock C, Berlin K;
 XX
 DR WPI; 2001-657177/75.
 XX

PT Set of oligonucleotides, useful for diagnosis and cell typing, is
 PT designed to detect single-nucleotide polymorphisms and cytosine
 PT methylation status.

XX
 PS Claim 1; SEQ ID NO 312504; 29pp + Sequence Listing; German.

XX This invention describes novel oligonucleotide primers or peptide nucleic
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
 CC and cytosine methylation status in chemically pretreated genomic DNA. The
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
 CC range of diseases including immune system, gastrointestinal, respiratory,
 CC central nervous system, cardiovascular and metabolic disorders. The
 CC oligomers are also used for detecting cell type differentiation. ABC00010
 CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
 CC represent the oligomers described in the invention. NOTE: The sequence
 CC data for this patent did not form part of the printed specification, but
 CC was obtained in electronic format from WIPO at
 CC ftp.wipo.int/pub/published_pct_sequences
 XX
 SQ Sequence 12 BP; 6 A; 3 C; 0 G; 3 T; 0 U; 0 Other;

Query Match 12.3%; Score 9; DB 1; Length 12;
 Best Local Similarity 100.0%; Pred. No. 1.4e+03;
 Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 947 GTTTAATGT 955
 Db 9 GTTTAATGT 1

RESULT 2738
 ABI39602/C
 ID ABI39602 standard; DNA; 12 BP.

XX
 AC ABI39602;
 XX
 DT 22-FEB-2002 (first entry)

```
XX Oligonucleotide primer SEQ ID NO 339575 for detecting SNP TSC0041078.
DE
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
XX Homo sapiens.
XX
XX WO200177384-A2.
XX
XX 18-OCT-2001.
XX
XX 06-APR-2001; 2001WO-IB000713.
XX
XX 07-APR-2000; 2000DE-01019173.
XX
XX (EPIG-) EPIGENOMICS AG.
XX
XX Olek A, Piepenbrock C, Berlin K;
XX
XX WPI; 2001-657177/75.
XX
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
XX Claim 1; SEQ ID NO 339575; 29pp + Sequence Listing; German.
XX
XX This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and AB100010-AB182073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
XX Sequence 12 BP; 7 A; 0 C; 2 G; 3 T; 0 U; 0 Other;
SQ
Query Match 12.3%; Score 9; DB 1; Length 12;
Best Local Similarity 100.0%; Pred. No. 1.4e+03;
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 907 ATTTCCTTT 915
DB 9 ATTTCCTTT 1
RESULT 2739
ABI52286
ID ABI52286 standard; DNA; 12 BP.
XX
XX ABI52286;
AC
XX 22-FEB-2002 (first entry)
DT
XX Oligonucleotide primer SEQ ID NO 352259 for detecting SNP TSC0047765.
DE
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
XX Homo sapiens.
XX
XX WO200177384-A2.
XX
XX 18-OCT-2001.
XX
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
XX Claim 1; SEQ ID NO 339575; 29pp + Sequence Listing; German.
XX
XX This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and AB100010-AB182073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
XX Sequence 12 BP; 7 A; 0 C; 2 G; 3 T; 0 U; 0 Other;
SQ
Query Match 12.3%; Score 9; DB 1; Length 12;
Best Local Similarity 100.0%; Pred. No. 1.4e+03;
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 907 ATTTCCTTT 915
DB 9 ATTTCCTTT 1
RESULT 2739
ABI52286
ID ABI52286 standard; DNA; 12 BP.
XX
XX ABI52286;
AC
XX 22-FEB-2002 (first entry)
DT
XX Oligonucleotide primer SEQ ID NO 352259 for detecting SNP TSC0047765.
DE
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
XX Homo sapiens.
XX
XX WO200177384-A2.
XX
XX 18-OCT-2001.
XX
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PF 06-APR-2001; 2001WO-IB000713.
XX
XX 07-APR-2000; 2000DE-01019173.
XX
XX (EPIG-) EPIGENOMICS AG.
XX
XX Olek A, Piepenbrock C, Berlin K;
XX
XX WPI; 2001-657177/75.
XX
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
XX Claim 1; SEQ ID NO 352259; 29pp + Sequence Listing; German.
XX
XX This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and AB100010-AB182073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
XX Sequence 12 BP; 1 A; 2 C; 0 G; 9 T; 0 U; 0 Other;
SQ
Query Match 12.3%; Score 9; DB 1; Length 12;
Best Local Similarity 100.0%; Pred. No. 1.4e+03;
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 907 ATTTCCTTT 915
DB 1 ATTTCCTTT 9
RESULT 2740
ABI75107/c
ID ABI75107 standard; DNA; 12 BP.
XX
XX ABI75107;
AC
XX 22-FEB-2002 (first entry)
DT
XX Oligonucleotide primer SEQ ID NO 375080 for detecting SNP TSC0061058.
DE
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
XX Homo sapiens.
XX
XX WO200177384-A2.
XX
XX 18-OCT-2001.
XX
XX 06-APR-2001; 2001WO-IB000713.
XX
XX 07-APR-2000; 2000DE-01019173.
XX
XX (EPIG-) EPIGENOMICS AG.
XX
XX Olek A, Piepenbrock C, Berlin K;
XX
XX WPI; 2001-657177/75.
XX
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
```

XX PS Claim 1; SEQ ID NO 375080; 29pp + Sequence Listing; German.

XX CC This invention describes novel oligonucleotide primers or peptide nucleic

XX CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)

XX CC and cytosine methylation status in chemically pretreated genomic DNA. The

XX CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a

XX CC range of diseases including immune system, gastrointestinal, respiratory,

XX CC central nervous system, cardiovascular and metabolic disorders. The

XX CC oligomers are also used for detecting cell type differentiation. ASC00010

XX CC -ABC99989, ABF00010-ABF9989, ABH00010-ABH9989 and ABI00010-ABI82073

XX CC represent the oligomers described in the invention. NOTE: The sequence

XX CC data for this patent did not form part of the printed specification, but

XX CC was obtained in electronic format from WIPO at

XX CC ftp.wipo.int/pub/published_pct_sequences

XX SQ Sequence 12 BP; 6 A; 3 C; 0 G; 3 T; 0 U; 0 Other;

Query Match 12.3%; Score 9; DB 1; Length 12;

Best Local Similarity 100.0%; Pred. No. 1.4e+03;

Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY 943 ATTGGTTTA 951

Db 11 ATTGGTTTA 3

RESULT 2741

ABI77250

ID ABI77250 standard; DNA; 12 BP.

XX AC ABI77250;

XX DT 22-FEB-2002 (first entry)

XX DE Oligonucleotide primer SEQ ID NO 377223 for detecting SNP TSC0062198.

XX KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;

XX KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;

XX KW central nervous system; gastrointestinal; respiratory; immune; metabolic.

XX OS Homo sapiens.

XX PN WO200177384-A2.

XX PD 18-OCT-2001.

XX PF 06-APR-2001; 2001WO-IB000713.

XX PR 07-APR-2000; 2000DE-01019173.

XX PA (EPIG-) EPIGENOMICS AG.

XX PI Olek A, Piepenbrock C, Berlin K;

XX WPI; 2001-657177/75.

XX DR Set of oligonucleotides, useful for diagnosis and cell typing, is

XX PT designed to detect single-nucleotide polymorphisms and cytosine

XX PT methylation status.

XX PS Claim 1; SEQ ID NO 377223; 29pp + Sequence Listing; German.

XX CC This invention describes novel oligonucleotide primers or peptide nucleic

XX CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)

XX CC and cytosine methylation status in chemically pretreated genomic DNA. The

XX CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a

XX CC range of diseases including immune system, gastrointestinal, respiratory,

XX CC central nervous system, cardiovascular and metabolic disorders. The

XX CC oligomers are also used for detecting cell type differentiation. ABC00010

XX CC -ABC99989, ABF00010-ABF9989, ABH00010-ABH9989 and ABI00010-ABI82073

XX CC represent the oligomers described in the invention. NOTE: The sequence

XX CC data for this patent did not form part of the printed specification, but

CC was obtained in electronic format from WIPO at

XX ftp.wipo.int/pub/published_pct_sequences

XX SQ Sequence 12 BP; 1 A; 1 C; 0 G; 10 T; 0 U; 0 Other;

Query Match 12.3%; Score 9; DB 1; Length 12;

Best Local Similarity 100.0%; Pred. No. 1.4e+03;

Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY 907 ATTTCCTTT 915

Db 1 ATTTCCTTT 9

RESULT 2742

ABI79569/C

ID ABI79569 standard; DNA; 12 BP.

XX AC ABI79569;

XX DT 22-FEB-2002 (first entry)

XX DE Oligonucleotide primer SEQ ID NO 379542 for detecting SNP TSC0000620.

XX KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;

XX KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;

XX KW central nervous system; gastrointestinal; respiratory; immune; metabolic.

XX OS Homo sapiens.

XX PN WO200177384-A2.

XX PD 18-OCT-2001.

XX PF 06-APR-2001; 2001WO-IB000713.

XX PR 07-APR-2000; 2000DE-01019173.

XX PA (EPIG-) EPIGENOMICS AG.

XX PI Olek A, Piepenbrock C, Berlin K;

XX WPI; 2001-657177/75.

XX DR Set of oligonucleotides, useful for diagnosis and cell typing, is

XX PT designed to detect single-nucleotide polymorphisms and cytosine

XX PT methylation status.

XX PS Claim 1; SEQ ID NO 379542; 29pp + Sequence Listing; German.

XX CC This invention describes novel oligonucleotide primers or peptide nucleic

XX CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)

XX CC and cytosine methylation status in chemically pretreated genomic DNA. The

XX CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a

XX CC range of diseases including immune system, gastrointestinal, respiratory,

XX CC central nervous system, cardiovascular and metabolic disorders. The

XX CC oligomers are also used for detecting cell type differentiation. ASC00010

XX CC -ABC99989, ABF00010-ABF9989, ABH00010-ABH9989 and ABI00010-ABI82073

XX CC represent the oligomers described in the invention. NOTE: The sequence

XX CC data for this patent did not form part of the printed specification, but

XX CC was obtained in electronic format from WIPO at

XX CC ftp.wipo.int/pub/published_pct_sequences

XX SQ Sequence 12 BP; 1 A; 1 C; 0 G; 6 T; 0 U; 0 Other;

Query Match 12.3%; Score 9; DB 1; Length 12;

Best Local Similarity 100.0%; Pred. No. 1.4e+03;

Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY 960 CTACCAACG 968

Db 12 CTACCAACG 4

Query Match	12.3%;	Score 9;	DB 1;	Length 12;
Best Local Similarity	100.0%;	Pred. No. 1.4e+03;		
Matches	9;	Conservative	0;	Mismatches 0; Indels 0; Gaps 0;
QY	930	ATCCCTCCT 938		
Db	12	ATCCCTCCT 4		
RESULT 2748				
ABH98680				
ID	ABH98680	standard; DNA; 12 BP.		
AC	ABH98680;			
XX				
DT	22-FEB-2002	(first entry)		
XX				
DE	Oligonucleotide primer SEQ ID NO 298673 for detecting SNP TSC0018232.			
XX				
DE	SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;			
KW	peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;			
KW	central nervous system; gastrointestinal; respiratory; immune; metabolic.			
XX				
OS	Homo sapiens.			
XX				
PN	WO200177384-A2.			
XX				
AC	ABH98680;			
XX				
DT	22-FEB-2002	(first entry)		
XX				
DE	Oligonucleotide primer SEQ ID NO 298673 for detecting SNP TSC0018232.			
XX				
DE	SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;			
KW	peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;			
KW	central nervous system; gastrointestinal; respiratory; immune; metabolic.			
XX				
OS	Homo sapiens.			
XX				
PN	WO200177384-A2.			
XX				
PD	18-OCT-2001.			
XX				
PF	06-APR-2001; 2001WO-IB000713.			
XX				
PR	07-APR-2000; 2000DE-01019173.			
XX				
PA	(EPIG-) EPIGENOMICS AG.			
XX				
PI	Olek A, Piepenbrock C, Berlin K;			
XX				
DR	WPI; 2001-657177/75.			
XX				
PT	Set of oligonucleotides, useful for diagnosis and cell typing, is			
PT	designed to detect single-nucleotide polymorphisms and cytosine			
PT	methylation status.			
XX				
XX	Claim 1; SEQ ID NO 298673; 29pp + Sequence Listing; German.			
XX				
CC	This invention describes novel oligonucleotide primers or peptide nucleic			
CC	acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)			
CC	and cytosine methylation status in chemically pretreated genomic DNA. The			
CC	oligonucleotides are used for diagnosis and/or prognosis of cancer and a			
CC	range of diseases including immune system, gastrointestinal, respiratory,			
CC	central nervous system, cardiovascular and metabolic disorders. The			
CC	oligonucleotides are also used for detecting cell type differentiation. ABC00010			
CC	-ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073			
CC	represent the oligomers described in the invention. NOTE: The sequence			
CC	data for this patent did not form part of the printed specification, but			
CC	was obtained in electronic format from WIPO at			
CC	ftp.wipo.int/pub/published_pct_sequences			
XX				
XX	Sequence 12 BP; 1 A; 5 C; 0 G; 6 T; 0 U; 0 Other;			
XX				
CC	This invention describes novel oligonucleotide primers or peptide nucleic			
CC	acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)			
CC	and cytosine methylation status in chemically pretreated genomic DNA. The			
CC	oligonucleotides are used for diagnosis and/or prognosis of cancer and a			
CC	range of diseases including immune system, gastrointestinal, respiratory,			
CC	central nervous system, cardiovascular and metabolic disorders. The			
CC	oligonucleotides are also used for detecting cell type differentiation. ABC00010			
CC	-ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073			
CC	represent the oligomers described in the invention. NOTE: The sequence			
CC	data for this patent did not form part of the printed specification, but			
CC	was obtained in electronic format from WIPO at			
CC	ftp.wipo.int/pub/published_pct_sequences			
XX				
XX	Sequence 12 BP; 1 A; 5 C; 0 G; 6 T; 0 U; 0 Other;			
XX				
CC	This invention describes novel oligonucleotide primers or peptide nucleic			
CC	acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)			
CC	and cytosine methylation status in chemically pretreated genomic DNA. The			
CC	oligonucleotides are used for diagnosis and/or prognosis of cancer and a			
CC	range of diseases including immune system, gastrointestinal, respiratory,			
CC	central nervous system, cardiovascular and metabolic disorders. The			
CC	oligonucleotides are also used for detecting cell type differentiation. ABC00010			
CC	-ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073			
CC	represent the oligomers described in the invention. NOTE: The sequence			
CC	data for this patent did not form part of the printed specification, but			
CC	was obtained in electronic format from WIPO at			
CC	ftp.wipo.int/pub/published_pct_sequences			
XX				
XX	Sequence 12 BP; 1 A; 5 C; 0 G; 6 T; 0 U; 0 Other;			
XX				
CC	This invention describes novel oligonucleotide primers or peptide nucleic			
CC	acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)			

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XX PD 18-OCT-2001.
XX PF 06-APR-2001; 2001WO-IB000713.
XX PR 07-APR-2000; 2000DE-01019173.
XX PA (EPIG-) EPIGENOMICS AG.
XX PI Olek A, Piepenbrock C, Berlin K;
XX PI WPI; 2001-657177/75.
XX PT Set of oligonucleotides, useful for diagnosis and cell typing, is
XX PT designed to detect single-nucleotide polymorphisms and cytosine
XX PT methylation status.
XX PS Claim 1; SEQ ID NO 290116; 29pp + Sequence Listing; German.
XX CC This invention describes novel oligonucleotide primers or peptide nucleic
XX CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
XX CC and cytosine methylation status in chemically pretreated genomic DNA. The
XX CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
XX CC range of diseases including immune system, gastrointestinal, respiratory,
XX CC central nervous system, cardiovascular and metabolic disorders. The
XX CC oligomers are also used for detecting cell type differentiation. ABC00010
XX CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
XX CC represent the oligomers described in the invention. NOTE: The sequence
XX CC data for this patent did not form part of the printed specification, but
XX CC was obtained in electronic format from WIPO at
XX CC ftp.wipo.int/pub/published_pct_sequences
XX SQ Sequence 12 BP; 9 A; 0 C; 2 G; 1 T; 0 U; 0 Other;
XX Query Match 12.3%; Score 9; DB 1; Length 12;
XX Best Local Similarity 100.0%; Pred. No. 1.4e+03;
XX Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY 907 ATTTCCTTT 915
DB 11 ATTTCCTTT 3

RESULT 2751
ABI55152/c
ID ABI55152 standard; DNA; 12 BP.
XX AC ABI55152;
XX DT 22-FEB-2002 (first entry)
XX DE Oligonucleotide primer SEQ ID NO 355125 for detecting SNP TSC0007952.
XX KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX OS Homo sapiens.
XX PN WO200177384-A2.
XX PD 18-OCT-2001.
XX PF 06-APR-2001; 2001WO-IB000713.
XX PR 07-APR-2000; 2000DE-01019173.
XX PA (EPIG-) EPIGENOMICS AG.
XX PI Olek A, Piepenbrock C, Berlin K;
XX PI WPI; 2001-657177/75.
XX PT Set of oligonucleotides, useful for diagnosis and cell typing, is
XX PT designed to detect single-nucleotide polymorphisms and cytosine
XX PT methylation status.
XX PS Claim 1; SEQ ID NO 376558; 29pp + Sequence Listing; German.
XX CC This invention describes novel oligonucleotide primers or peptide nucleic
XX CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
XX CC and cytosine methylation status in chemically pretreated genomic DNA. The
XX CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
XX CC range of diseases including immune system, gastrointestinal, respiratory,
XX CC central nervous system, cardiovascular and metabolic disorders. The
XX CC oligomers are also used for detecting cell type differentiation. ABC00010
XX CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
XX CC represent the oligomers described in the invention. NOTE: The sequence
XX CC data for this patent did not form part of the printed specification, but
XX CC was obtained in electronic format from WIPO at
XX CC ftp.wipo.int/pub/published_pct_sequences
XX SQ Sequence 12 BP; 5 A; 1 C; 0 G; 6 T; 0 U; 0 Other;
XX Query Match 12.3%; Score 9; DB 1; Length 12;
XX Best Local Similarity 100.0%; Pred. No. 1.4e+03;
XX Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY 949 TTAATGTAT 957
DB 9 TTAATGTAT 1

RESULT 2752
ABI76585
ID ABI76585 standard; DNA; 12 BP.
XX AC ABI76585;
XX DT 22-FEB-2002 (first entry)
XX DE Oligonucleotide primer SEQ ID NO 376558 for detecting SNP TSC0010339.
XX KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX OS Homo sapiens.
XX PN WO200177384-A2.
XX PD 18-OCT-2001.
XX PF 06-APR-2001; 2001WO-IB000713.
XX PR 07-APR-2000; 2000DE-01019173.
XX PA (EPIG-) EPIGENOMICS AG.
XX PI Olek A, Piepenbrock C, Berlin K;
XX PI WPI; 2001-657177/75.
XX PT Set of oligonucleotides, useful for diagnosis and cell typing, is
XX PT designed to detect single-nucleotide polymorphisms and cytosine
XX PT methylation status.
XX PS Claim 1; SEQ ID NO 376558; 29pp + Sequence Listing; German.
XX CC This invention describes novel oligonucleotide primers or peptide nucleic
XX CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
XX CC and cytosine methylation status in chemically pretreated genomic DNA. The
XX CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
XX CC range of diseases including immune system, gastrointestinal, respiratory,
XX CC central nervous system, cardiovascular and metabolic disorders. The
XX CC oligomers are also used for detecting cell type differentiation. ABC00010

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CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
XX SQ Sequence 12 BP; 4 A; 0 C; 2 G; 6 T; 0 U; 0 Other;
XX
XX Query Match 12.3%; Score 9; DB 1; Length 12;
XX Best Local Similarity 100.0%; Pred. No. 1.4e+03;
XX Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
XX
QY 944 TTGGTTTAA 952
DB 1 TTGGTTTAA 9
DB
RESULT 2753
ABI81153
ID ABI81153 standard; DNA; 12 BP.
XX
XX AC ABI81153;
XX
XX DT 22-FEB-2002 (first entry)
XX
XX DE Oligonucleotide primer SEQ ID NO 381126 for detecting SNP TSC0064187.
XX
XX KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
XX OS Homo sapiens.
XX
XX PN WO200177384-A2.
XX
XX PD 18-OCT-2001.
XX
XX PF 06-APR-2001; 2001WO-IB000713.
XX
XX PR 07-APR-2000; 2000DE-01019173.
XX
XX PA (EPIG-) EPIGENOMICS AG.
XX
XX PI Olek A, Piepenbrock C, Berlin K;
XX
XX DR WPI; 2001-657177/75.
XX
XX PT Set of oligonucleotides, useful for diagnosis and cell typing, is
XX designed to detect single-nucleotide polymorphisms and cytosine
XX methylation status.
XX
XX PS Claim 1; SEQ ID NO 381126; 29pp + Sequence Listing; German.
XX
XX CC This invention describes novel oligonucleotide primers or peptide nucleic
XX acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
XX and cytosine methylation status in chemically pretreated genomic DNA. The
XX oligonucleotides are used for diagnosis and/or prognosis of cancer and a
XX range of diseases including immune system, gastrointestinal, respiratory,
XX central nervous system, cardiovascular and metabolic disorders. The
XX oligomers are also used for detecting cell type differentiation. ABC00010
XX -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
XX represent the oligomers described in the invention. NOTE: The sequence
XX data for this patent did not form part of the printed specification, but
XX was obtained in electronic format from WIPO at
XX ftp.wipo.int/pub/published_pct_sequences
XX
XX SQ Sequence 12 BP; 3 A; 0 C; 2 G; 7 T; 0 U; 0 Other;
XX
XX Query Match 12.3%; Score 9; DB 1; Length 12;
XX Best Local Similarity 100.0%; Pred. No. 1.4e+03;
XX Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
XX
QY 949 TTAATGTAT 957

```

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DB 1 TTAATGTAT 9
DB
RESULT 2754
ABH68821
ID ABH68821 standard; DNA; 12 BP.
XX
XX AC ABH68821;
XX
XX DT 22-FEB-2002 (first entry)
XX
XX DE Oligonucleotide primer SEQ ID NO 268798 for detecting SNP TSC0001412.
XX
XX KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
XX OS Homo sapiens.
XX
XX PN WO200177384-A2.
XX
XX PD 18-OCT-2001.
XX
XX PF 06-APR-2001; 2001WO-IB000713.
XX
XX PR 07-APR-2000; 2000DE-01019173.
XX
XX PA (EPIG-) EPIGENOMICS AG.
XX
XX PI Olek A, Piepenbrock C, Berlin K;
XX
XX DR WPI; 2001-657177/75.
XX
XX PT Set of oligonucleotides, useful for diagnosis and cell typing, is
XX designed to detect single-nucleotide polymorphisms and cytosine
XX methylation status.
XX
XX PS Claim 1; SEQ ID NO 268798; 29pp + Sequence Listing; German.
XX
XX CC This invention describes novel oligonucleotide primers or peptide nucleic
XX acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
XX and cytosine methylation status in chemically pretreated genomic DNA. The
XX oligonucleotides are used for diagnosis and/or prognosis of cancer and a
XX range of diseases including immune system, gastrointestinal, respiratory,
XX central nervous system, cardiovascular and metabolic disorders. The
XX oligomers are also used for detecting cell type differentiation. ABC00010
XX -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
XX represent the oligomers described in the invention. NOTE: The sequence
XX data for this patent did not form part of the printed specification, but
XX was obtained in electronic format from WIPO at
XX ftp.wipo.int/pub/published_pct_sequences
XX
XX SQ Sequence 12 BP; 3 A; 0 C; 3 G; 6 T; 0 U; 0 Other;
XX
XX Query Match 12.3%; Score 9; DB 1; Length 12;
XX Best Local Similarity 100.0%; Pred. No. 1.4e+03;
XX Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
XX
QY 943 ATTGGTTTA 951
DB 1 ATTGGTTTA 9
DB
RESULT 2755
ABI04504
ID ABI04504 standard; DNA; 12 BP.
XX
XX AC ABI04504;
XX
XX DT 22-FEB-2002 (first entry)
XX
XX DE Oligonucleotide primer SEQ ID NO 304477 for detecting SNP TSC0020962.

```

XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
 KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
 KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
 XX Homo sapiens.
 XX WO200177384-A2.
 XX 18-OCT-2001.
 XX
 PF 06-APR-2001; 2001WO-IB000713.
 XX
 PR 07-APR-2000; 2000DE-01019173.
 XX
 PA (EPIG-) EPIGENOMICS AG.
 XX
 PI Olek A, Piepenbrock C, Berlin K;
 XX WPI; 2001-657177/75.
 DR
 XX Set of oligonucleotides, useful for diagnosis and cell typing, is
 PT designed to detect single-nucleotide polymorphisms and cytosine
 PT methylation status.
 XX
 PS Claim 1; SEQ ID NO 304477; 29pp + Sequence Listing; German.
 XX
 CC This invention describes novel oligonucleotide primers or peptide nucleic
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
 CC and cytosine methylation status in chemically pretreated genomic DNA. The
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
 CC range of diseases including immune system, gastrointestinal, respiratory,
 CC central nervous system, cardiovascular and metabolic disorders. The
 CC oligomers are also used for detecting cell type differentiation. ABC00010
 CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABT00010-ABT82073
 CC represent the oligomers described in the invention. NOTE: The sequence
 CC data for this patent did not form part of the printed specification, but
 CC was obtained in electronic format from WIPO at
 CC ftp.wipo.int/pub/published_pct_sequences
 XX
 SQ Sequence 12 BP; 2 A; 3 C; 0 G; 7 T; 0 U; 0 Other;
 Query Match 12.3%; Score 9; DB 1; Length 12;
 Best Local Similarity 100.0%; Pred. No. 1.4e+03;
 Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
 QY 905 TCATTCTCT 913
 DB 4 TCATTCTCT 12
 RESULT 2756
 ABH81368/c
 ID ABH81368 standard; DNA; 12 BP.
 AC
 XX ABH81368;
 XX
 DT 22-FEB-2002 (first entry)
 XX
 DE Oligonucleotide primer SEQ ID NO 281361 for detecting SNP TSC0009680.
 XX
 KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
 KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
 KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
 XX Homo sapiens.
 OS
 XX WO200177384-A2.
 PN
 XX 18-OCT-2001.
 PD
 PF 06-APR-2001; 2001WO-IB000713.
 XX

PR 07-APR-2000; 2000DE-01019173.
 XX
 PA (EPIG-) EPIGENOMICS AG.
 XX
 PI Olek A, Piepenbrock C, Berlin K;
 XX WPI; 2001-657177/75.
 DR
 XX Set of oligonucleotides, useful for diagnosis and cell typing, is
 PT designed to detect single-nucleotide polymorphisms and cytosine
 PT methylation status.
 XX
 PS Claim 1; SEQ ID NO 281361; 29pp + Sequence Listing; German.
 XX
 CC This invention describes novel oligonucleotide primers or peptide nucleic
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
 CC and cytosine methylation status in chemically pretreated genomic DNA. The
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
 CC range of diseases including immune system, gastrointestinal, respiratory,
 CC central nervous system, cardiovascular and metabolic disorders. The
 CC oligomers are also used for detecting cell type differentiation. ABC00010
 CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABT00010-ABT82073
 CC represent the oligomers described in the invention. NOTE: The sequence
 CC data for this patent did not form part of the printed specification, but
 CC was obtained in electronic format from WIPO at
 CC ftp.wipo.int/pub/published_pct_sequences
 XX
 SQ Sequence 12 BP; 6 A; 0 C; 3 G; 3 T; 0 U; 0 Other;
 Query Match 12.3%; Score 9; DB 1; Length 12;
 Best Local Similarity 100.0%; Pred. No. 1.4e+03;
 Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
 QY 905 TCATTCTCT 913
 DB 10 TCATTCTCT 2
 RESULT 2757
 ABI47930
 ID ABI47930 standard; DNA; 12 BP.
 XX
 AC ABI47930;
 XX
 DT 22-FEB-2002 (first entry)
 XX
 DE Oligonucleotide primer SEQ ID NO 347903 for detecting SNP TSC0045335.
 XX
 KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
 KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
 KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
 XX Homo sapiens.
 OS
 XX WO200177384-A2.
 PN
 XX 18-OCT-2001.
 PD
 PF 06-APR-2001; 2001WO-IB000713.
 XX
 PR 07-APR-2000; 2000DE-01019173.
 XX
 PA (EPIG-) EPIGENOMICS AG.
 XX
 PI Olek A, Piepenbrock C, Berlin K;
 XX WPI; 2001-657177/75.
 DR
 XX Set of oligonucleotides, useful for diagnosis and cell typing, is
 PT designed to detect single-nucleotide polymorphisms and cytosine
 PT methylation status.
 XX
 PS Claim 1; SEQ ID NO 347903; 29pp + Sequence Listing; German.

```
XX This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC9989, ABF00010-ABF9989, ABH00010-ABH9989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
XX Sequence 12 BP; 5 A; 0 C; 1 G; 6 T; 0 U; 0 Other;
Query Match 12.3%; Score 9; DB 1; Length 12;
Best Local Similarity 100.0%; Pred. No. 1.4e+03;
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 949 TTAATGTAT 957
DB 1 TTAATGTAT 9
RESULT 2758
AB154931
ID AB154931 standard; DNA; 12 BP.
XX
AC AB154931;
XX
DT 22-FEB-2002 (first entry)
XX
DE Oligonucleotide primer SEQ ID NO 354904 for detecting SNP TSC0009622.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
FN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
PI WPI; 2001-657177/75.
XX
PT Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
PS Claim 1; SEQ ID NO 354904; 29pp + Sequence Listing; German.
XX
XX This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC9989, ABF00010-ABF9989, ABH00010-ABH9989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
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```
XX Sequence 12 BP; 4 A; 0 C; 3 G; 5 T; 0 U; 0 Other;
Query Match 12.3%; Score 9; DB 1; Length 12;
Best Local Similarity 100.0%; Pred. No. 1.4e+03;
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 943 ATTGGTTTA 951
DB 4 ATTGGTTTA 12
RESULT 2759
AB160048
ID AB160048 standard; DNA; 12 BP.
XX
AC AB160048;
XX
DT 22-FEB-2002 (first entry)
XX
DE Oligonucleotide primer SEQ ID NO 360021 for detecting SNP TSC0001746.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
FN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
PI WPI; 2001-657177/75.
XX
PT Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
PS Claim 1; SEQ ID NO 360021; 29pp + Sequence Listing; German.
XX
XX This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC9989, ABF00010-ABF9989, ABH00010-ABH9989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
XX Sequence 12 BP; 4 A; 0 C; 3 G; 5 T; 0 U; 0 Other;
Query Match 12.3%; Score 9; DB 1; Length 12;
Best Local Similarity 100.0%; Pred. No. 1.4e+03;
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 944 TTGGTTTAA 952
DB 1 TTGGTTTAA 9
RESULT 2760
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AB181772/c
ID AB181772 standard; DNA; 12 BP.
XX AC AB181772;
XX DT 22-FEB-2002 (first entry)
XX DE Oligonucleotide primer SEQ ID NO 381745 for detecting SNP TSC0000410.
XX KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX OS Homo sapiens.
XX PN WO200177384-A2.
XX PD 18-OCT-2001.
XX PF 06-APR-2001; 2001WO-IB000713.
XX PR 07-APR-2000; 2000DE-01019173.
XX PA (EPIG-) EPIGENOMICS AG.
XX PI Olek A, Piepenbrock C, Berlin K;
XX DR WPI; 2001-657177/75.
XX PT Set of oligonucleotides, useful for diagnosis and cell typing, is
XX PT designed to detect single-nucleotide polymorphisms and cytosine
XX PT methylation status.
XX PS Claim 1; SEQ ID NO 381745; 29pp + Sequence Listing; German.
XX CC This invention describes novel oligonucleotide primers or peptide nucleic
XX CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
XX CC and cytosine methylation status in chemically pretreated genomic DNA. The
XX CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
XX CC range of diseases including immune system, gastrointestinal, respiratory,
XX CC central nervous system, cardiovascular and metabolic disorders. The
XX CC oligomers are also used for detecting cell type differentiation. ABC00010
XX CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
XX CC represent the oligomers described in the invention. NOTE: The sequence
XX CC data for this patent did not form part of the printed specification, but
XX CC was obtained in electronic format from WIPO at
XX CC ftp.wipo.int/pub/published_pct_sequences
XX SQ Sequence 12 BP; 7 A; 0 C; 3 G; 2 T; 0 U; 0 Other;
XX CC This invention describes novel oligonucleotide primers or peptide nucleic
XX CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
XX CC and cytosine methylation status in chemically pretreated genomic DNA. The
XX CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
XX CC range of diseases including immune system, gastrointestinal, respiratory,
XX CC central nervous system, cardiovascular and metabolic disorders. The
XX CC oligomers are also used for detecting cell type differentiation. ABC00010
XX CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
XX CC represent the oligomers described in the invention. NOTE: The sequence
XX CC data for this patent did not form part of the printed specification, but
XX CC was obtained in electronic format from WIPO at
XX CC ftp.wipo.int/pub/published_pct_sequences
XX SQ Query Match 12.3%; Score 9; DB 1; Length 12;
XX Best Local Similarity 100.0%; Pred. No. 1.4e+03;
XX Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
XX QY 905 TCATTTCCT 913
XX Db 10 TCATTTCCT 2
XX RESULT 2761
XX AB119954
XX ID AB119954 standard; DNA; 12 BP.
XX AC AB119954;
XX DT 22-FEB-2002 (first entry)
XX DE Oligonucleotide primer SEQ ID NO 319927 for detecting SNP TSC0029474.
XX KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX KW central nervous system; gastrointestinal; respiratory; immune; metabolic.

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OS Homo sapiens.
XX PN WO200177384-A2.
XX PD 18-OCT-2001.
XX PF 06-APR-2001; 2001WO-IB000713.
XX PR 07-APR-2000; 2000DE-01019173.
XX PA (EPIG-) EPIGENOMICS AG.
XX PI Olek A, Piepenbrock C, Berlin K;
XX DR WPI; 2001-657177/75.
XX PT Set of oligonucleotides, useful for diagnosis and cell typing, is
XX PT designed to detect single-nucleotide polymorphisms and cytosine
XX PT methylation status.
XX PS Claim 1; SEQ ID NO 319927; 29pp + Sequence Listing; German.
XX CC This invention describes novel oligonucleotide primers or peptide nucleic
XX CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
XX CC and cytosine methylation status in chemically pretreated genomic DNA. The
XX CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
XX CC range of diseases including immune system, gastrointestinal, respiratory,
XX CC central nervous system, cardiovascular and metabolic disorders. The
XX CC oligomers are also used for detecting cell type differentiation. ABC00010
XX CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
XX CC represent the oligomers described in the invention. NOTE: The sequence
XX CC data for this patent did not form part of the printed specification, but
XX CC was obtained in electronic format from WIPO at
XX CC ftp.wipo.int/pub/published_pct_sequences
XX SQ Sequence 12 BP; 4 A; 0 C; 1 G; 7 T; 0 U; 0 Other;
XX CC Query Match 12.3%; Score 9; DB 1; Length 12;
XX Best Local Similarity 100.0%; Pred. No. 1.4e+03;
XX Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
XX QY 948 TTTAATGTA 956
XX Db 4 TTTAATGTA 12
XX RESULT 2762
XX AB121828/c
XX ID AB121828 standard; DNA; 12 BP.
XX AC AB121828;
XX DT 22-FEB-2002 (first entry)
XX DE Oligonucleotide primer SEQ ID NO 321801 for detecting SNP TSC0030499.
XX KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX OS Homo sapiens.
XX PN WO200177384-A2.
XX PD 18-OCT-2001.
XX PF 06-APR-2001; 2001WO-IB000713.
XX PR 07-APR-2000; 2000DE-01019173.
XX PA (EPIG-) EPIGENOMICS AG.
XX PI Olek A, Piepenbrock C, Berlin K;

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XX WPI; 2001-657177/75.
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
XX designed to detect single-nucleotide polymorphisms and cytosine
XX methylation status.
XX Claim 1; SEQ ID NO 321801; 29pp + Sequence Listing; German.
XX This invention describes novel oligonucleotide primers or peptide nucleic
XX acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
XX and cytosine methylation status in chemically pretreated genomic DNA. The
XX oligonucleotides are used for diagnosis and/or prognosis of cancer and a
XX range of diseases including immune system, gastrointestinal, respiratory,
XX central nervous system, cardiovascular and metabolic disorders. The
XX oligomers are also used for detecting cell type differentiation. ABC00010
XX -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
XX represent the oligomers described in the invention. NOTE: The sequence
XX data for this patent did not form part of the printed specification, but
XX was obtained in electronic format from WIPO at
XX ftp.wipo.int/pub/published_pct_sequences
XX Sequence 12 BP; 8 A; 0 C; 2 G; 2 T; 0 U; 0 Other;
XX
XX Query Match 12.3%; Score 9; DB 1; Length 12;
XX Best Local Similarity 100.0%; Pred. No. 1.4e+03;
XX Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
XX
XX QY 907 ATTTCCTT 915
XX 11 ATTTCCTT 3
XX
XX RESULT 2763
XX ABI25990/C
XX ID ABI25990 standard; DNA; 12 BP.
XX AC ABI25990;
XX
XX 22-FEB-2002 (first entry)
XX
XX Oligonucleotide primer SEQ ID NO 325963 for detecting SNP TSC0032834.
XX
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
XX Homo sapiens.
XX
XX WO200177384-A2.
XX
XX 18-OCT-2001.
XX
XX 06-APR-2001; 2001WO-IB0000713.
XX
XX 07-APR-2000; 2000DE-01019173.
XX
XX (EPITG-) EPIGENOMICS AG.
XX
XX Olek A, Piepenbrock C, Berlin K;
XX
XX WPI; 2001-657177/75.
XX
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
XX designed to detect single-nucleotide polymorphisms and cytosine
XX methylation status.
XX Claim 1; SEQ ID NO 325963; 29pp + Sequence Listing; German.
XX This invention describes novel oligonucleotide primers or peptide nucleic
XX acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
XX and cytosine methylation status in chemically pretreated genomic DNA. The
XX oligonucleotides are used for diagnosis and/or prognosis of cancer and a
```

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XX range of diseases including immune system, gastrointestinal, respiratory,
XX central nervous system, cardiovascular and metabolic disorders. The
XX oligomers are also used for detecting cell type differentiation. ABC00010
XX -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
XX represent the oligomers described in the invention. NOTE: The sequence
XX data for this patent did not form part of the printed specification, but
XX was obtained in electronic format from WIPO at
XX ftp.wipo.int/pub/published_pct_sequences
XX
XX Sequence 12 BP; 7 A; 0 C; 4 G; 1 T; 0 U; 0 Other;
XX
XX Query Match 12.3%; Score 9; DB 1; Length 12;
XX Best Local Similarity 100.0%; Pred. No. 1.4e+03;
XX Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
XX
XX QY 906 CATTTCCTT 914
XX 9 CATTTCCTT 1
XX
XX RESULT 2764
XX ABH77554
XX ID ABH77554 standard; DNA; 12 BP.
XX AC ABH77554;
XX
XX 22-FEB-2002 (first entry)
XX
XX Oligonucleotide primer SEQ ID NO 277547 for detecting SNP TSC0004502.
XX
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
XX Homo sapiens.
XX
XX WO200177384-A2.
XX
XX 18-OCT-2001.
XX
XX 06-APR-2001; 2001WO-IB0000713.
XX
XX 07-APR-2000; 2000DE-01019173.
XX
XX (EPIG-) EPIGENOMICS AG.
XX
XX Olek A, Piepenbrock C, Berlin K;
XX
XX WPI; 2001-657177/75.
XX
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
XX designed to detect single-nucleotide polymorphisms and cytosine
XX methylation status.
XX Claim 1; SEQ ID NO 277547; 29pp + Sequence Listing; German.
XX This invention describes novel oligonucleotide primers or peptide nucleic
XX acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
XX and cytosine methylation status in chemically pretreated genomic DNA. The
XX oligonucleotides are used for diagnosis and/or prognosis of cancer and a
XX range of diseases including immune system, gastrointestinal, respiratory,
XX central nervous system, cardiovascular and metabolic disorders. The
XX oligomers are also used for detecting cell type differentiation. ABC00010
XX -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
XX represent the oligomers described in the invention. NOTE: The sequence
XX data for this patent did not form part of the printed specification, but
XX was obtained in electronic format from WIPO at
XX ftp.wipo.int/pub/published_pct_sequences
XX
XX Sequence 12 BP; 4 A; 0 C; 2 G; 6 T; 0 U; 0 Other;
XX
XX Query Match 12.3%; Score 9; DB 1; Length 12;
XX Best Local Similarity 100.0%; Pred. No. 1.4e+03;
```

Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 944 TTGGTTTAA 952
 Db 2 TTGGTTTAA 10

RESULT 2765
 ABI04842/C
 ID ABI04842 standard; DNA; 12 BP.
 XX AC
 AC ABI04842;
 XX DT
 DT 22-FEB-2002 (first entry)
 XX DE
 DE Oligonucleotide primer SEQ ID NO 304815 for detecting SNP TSC0021123.
 XX KW
 KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
 KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
 KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
 XX OS
 OS Homo sapiens.
 XX PN
 PN WO200177384-A2.
 XX PD
 PD 18-OCT-2001.
 XX PF
 PF 06-APR-2001; 2001WO-IB000713.
 XX PR
 PR 07-APR-2000; 2000DE-01019173.
 XX PA
 PA (EPIG-) EPIGENOMICS AG.
 XX PI
 PI Olek A, Piepenbrock C, Berlin K;
 XX WI
 WI; 2001-657177/75.
 XX DR
 DR Set of oligonucleotides, useful for diagnosis and cell typing, is
 PT designed to detect single-nucleotide polymorphisms and cytosine
 PT methylation status.
 XX PS
 PS Claim 1; SEQ ID NO 304815; 29pp + Sequence Listing; German.
 XX CC
 CC This invention describes novel oligonucleotide primers or peptide nucleic
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
 CC and cytosine methylation status in chemically pretreated genomic DNA. The
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
 CC range of diseases including immune system, gastrointestinal, respiratory,
 CC central nervous system, cardiovascular and metabolic disorders. The
 CC oligomers are also used for detecting cell type differentiation. ABC00010
 CC -ABC9989, ABF00010-ABF9989, ABH00010-ABH9989 and ABI00010-ABI82073
 CC represent the oligomers described in the invention. NOTE: The sequence
 CC data for this patent did not form part of the printed specification, but
 CC was obtained in electronic format from WIPO at
 CC ftp.wipo.int/pub/published_pct_sequences
 XX SQ
 SQ Sequence 12 BP; 8 A; 1 C; 0 G; 3 T; 0 U; 0 Other;
 Query Match 12.3%; Score 9; DB 1; Length 12;
 Best Local Similarity 100.0%; Pred. No. 1.4e+03;
 Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 949 TTAATGTAT 957
 Db 12 TTAATGTAT 4

RESULT 2766
 ABI38582
 ID ABI38582 standard; DNA; 12 BP.
 XX AC
 AC ABI38582;
 XX XX

DT 22-FEB-2002 (first entry)
 XX Oligonucleotide primer SEQ ID NO 338555 for detecting SNP TSC0040547.
 DE SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
 XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
 KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
 KW OS
 OS Homo sapiens.
 XX XX
 PN WO200177384-A2.
 XX PD
 PD 18-OCT-2001.
 XX PF
 PF 06-APR-2001; 2001WO-IB000713.
 XX PR
 PR 07-APR-2000; 2000DE-01019173.
 XX PA
 PA (EPIG-) EPIGENOMICS AG.
 XX PI
 PI Olek A, Piepenbrock C, Berlin K;
 XX WI
 WI; 2001-657177/75.
 XX DR
 DR Set of oligonucleotides, useful for diagnosis and cell typing, is
 PT designed to detect single-nucleotide polymorphisms and cytosine
 PT methylation status.
 XX PS
 PS Claim 1; SEQ ID NO 338555; 29pp + Sequence Listing; German.
 XX CC
 CC This invention describes novel oligonucleotide primers or peptide nucleic
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
 CC and cytosine methylation status in chemically pretreated genomic DNA. The
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
 CC range of diseases including immune system, gastrointestinal, respiratory,
 CC central nervous system, cardiovascular and metabolic disorders. The
 CC oligomers are also used for detecting cell type differentiation. ABC00010
 CC -ABC9989, ABF00010-ABF9989, ABH00010-ABH9989 and ABI00010-ABI82073
 CC represent the oligomers described in the invention. NOTE: The sequence
 CC data for this patent did not form part of the printed specification, but
 CC was obtained in electronic format from WIPO at
 CC ftp.wipo.int/pub/published_pct_sequences
 XX SQ
 SQ Sequence 12 BP; 0 A; 6 C; 0 G; 6 T; 0 U; 0 Other;
 Query Match 12.3%; Score 9; DB 1; Length 12;
 Best Local Similarity 100.0%; Pred. No. 1.4e+03;
 Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 933 CCTCCTCTT 941
 Db 4 CCTCCTCTT 12

RESULT 2767
 ABI15018
 ID ABI15018 standard; DNA; 12 BP.
 XX AC
 AC ABI15018;
 XX DT
 DT 22-FEB-2002 (first entry)
 XX DE
 DE Oligonucleotide primer SEQ ID NO 314991 for detecting SNP TSC0026674.
 XX KW
 KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
 KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
 KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
 XX OS
 OS Homo sapiens.
 XX PN
 PN WO200177384-A2.
 XX PD
 PD 18-OCT-2001.

```
XX PF 06-APR-2001; 2001WO-IB000713.
XX PR 07-APR-2000; 2000DE-01019173.
XX XX (EPIG-) EPIGENOMICS AG.
XX PA Olek A, Piepenbrock C, Berlin K;
XX PI WPI; 2001-657177/75.
XX DR Set of oligonucleotides, useful for diagnosis and cell typing, is
XX PT designed to detect single-nucleotide polymorphisms and cytosine
XX PT methylation status.
XX PS Claim 1; SEQ ID NO 314991; 29pp + Sequence Listing; German.
XX XX This invention describes novel oligonucleotide primers or peptide nucleic
XX CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
XX CC and cytosine methylation status in chemically pretreated genomic DNA. The
XX CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
XX CC range of diseases including immune system, gastrointestinal, respiratory,
XX CC central nervous system, cardiovascular and metabolic disorders. The
XX CC oligomers are also used for detecting cell type differentiation. ABC00010
XX CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and AB100010-AB182073
XX CC represent the oligomers described in the invention. NOTE: The sequence
XX CC data for this patent did not form part of the printed specification, but
XX CC was obtained in electronic format from WIPO at
XX CC ftp.wipo.int/pub/published_pct_sequences
XX SQ Sequence 12 BP; 3 A; 0 C; 2 G; 7 T; 0 U; 0 Other;
XX
XX Query Match 12.3%; Score 9; DB 1; Length 12;
XX Best Local Similarity 100.0%; Pred. No. 1.4e+03;
XX Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
XX
XX QY 943 ATTGGTTTA 951
XX DB 2 ATTGGTTTA 10
XX
XX RESULT 2768
XX AB144975/C
XX ID AB144975 standard; DNA; 12 BP.
XX AC AB144975;
XX XX 22-FEB-2002 (first entry)
XX DT
XX DE Oligonucleotide primer SEQ ID NO 344948 for detecting SNP TSC0043792.
XX XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX XX Homo sapiens.
XX OS WO200177384-A2.
XX PN 18-OCT-2001.
XX PD
XX PF 06-APR-2001; 2001WO-IB000713.
XX PR 07-APR-2000; 2000DE-01019173.
XX XX (EPIG-) EPIGENOMICS AG.
XX PA Olek A, Piepenbrock C, Berlin K;
XX PI WPI; 2001-657177/75.
XX DR Set of oligonucleotides, useful for diagnosis and cell typing, is
XX PT designed to detect single-nucleotide polymorphisms and cytosine
XX PT methylation status.
XX PS Claim 1; SEQ ID NO 314991; 29pp + Sequence Listing; German.
XX XX This invention describes novel oligonucleotide primers or peptide nucleic
XX CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
XX CC and cytosine methylation status in chemically pretreated genomic DNA. The
XX CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
XX CC range of diseases including immune system, gastrointestinal, respiratory,
XX CC central nervous system, cardiovascular and metabolic disorders. The
XX CC oligomers are also used for detecting cell type differentiation. ABC00010
XX CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and AB100010-AB182073
XX CC represent the oligomers described in the invention. NOTE: The sequence
XX CC data for this patent did not form part of the printed specification, but
XX CC was obtained in electronic format from WIPO at
XX CC ftp.wipo.int/pub/published_pct_sequences
XX SQ Sequence 12 BP; 3 A; 0 C; 2 G; 7 T; 0 U; 0 Other;
XX
XX Query Match 12.3%; Score 9; DB 1; Length 12;
XX Best Local Similarity 100.0%; Pred. No. 1.4e+03;
XX Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
XX
XX QY 943 ATTGGTTTA 951
XX DB 2 ATTGGTTTA 10
XX
XX RESULT 2768
XX AB14975/C
XX ID AB144975 standard; DNA; 12 BP.
XX AC AB144975;
XX XX 22-FEB-2002 (first entry)
XX DT
XX DE Oligonucleotide primer SEQ ID NO 344948 for detecting SNP TSC0043792.
XX XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX XX Homo sapiens.
XX OS WO200177384-A2.
XX PN 18-OCT-2001.
XX PD
XX PF 06-APR-2001; 2001WO-IB000713.
XX PR 07-APR-2000; 2000DE-01019173.
XX XX (EPIG-) EPIGENOMICS AG.
XX PA Olek A, Piepenbrock C, Berlin K;
XX PI WPI; 2001-657177/75.
XX DR Set of oligonucleotides, useful for diagnosis and cell typing, is
XX PT designed to detect single-nucleotide polymorphisms and cytosine
XX PT methylation status.
XX PS Claim 1; SEQ ID NO 344948; 29pp + Sequence Listing; German.
XX XX This invention describes novel oligonucleotide primers or peptide nucleic
XX CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
XX CC and cytosine methylation status in chemically pretreated genomic DNA. The
XX CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
XX CC range of diseases including immune system, gastrointestinal, respiratory,
XX CC central nervous system, cardiovascular and metabolic disorders. The
XX CC oligomers are also used for detecting cell type differentiation. ABC00010
XX CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and AB100010-AB182073
XX CC represent the oligomers described in the invention. NOTE: The sequence
XX CC data for this patent did not form part of the printed specification, but
XX CC was obtained in electronic format from WIPO at
XX CC ftp.wipo.int/pub/published_pct_sequences
XX SQ Sequence 12 BP; 4 A; 1 C; 5 G; 2 T; 0 U; 0 Other;
XX
XX Query Match 12.3%; Score 9; DB 1; Length 12;
XX Best Local Similarity 100.0%; Pred. No. 1.4e+03;
XX Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
XX
XX QY 930 ATCCCTCCT 938
XX DB 10 ATCCCTCCT 2
XX
XX RESULT 2769
XX AB153781
XX ID AB153781 standard; DNA; 12 BP.
XX AC AB153781;
XX XX 22-FEB-2002 (first entry)
XX DT
XX DE Oligonucleotide primer SEQ ID NO 353754 for detecting SNP TSC0048693.
XX XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX XX Homo sapiens.
XX OS WO200177384-A2.
XX PN 18-OCT-2001.
XX PD
XX PF 06-APR-2001; 2001WO-IB000713.
XX PR 07-APR-2000; 2000DE-01019173.
XX XX (EPIG-) EPIGENOMICS AG.
XX PA Olek A, Piepenbrock C, Berlin K;
XX PI WPI; 2001-657177/75.
XX DR Set of oligonucleotides, useful for diagnosis and cell typing, is
XX PT designed to detect single-nucleotide polymorphisms and cytosine
XX PT methylation status.
XX PS Claim 1; SEQ ID NO 353754; 29pp + Sequence Listing; German.
XX XX This invention describes novel oligonucleotide primers or peptide nucleic
XX CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
XX CC and cytosine methylation status in chemically pretreated genomic DNA. The
XX CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
XX CC range of diseases including immune system, gastrointestinal, respiratory,
XX CC central nervous system, cardiovascular and metabolic disorders. The
XX CC oligomers are also used for detecting cell type differentiation. ABC00010
XX CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and AB100010-AB182073
XX CC represent the oligomers described in the invention. NOTE: The sequence
```

CC data for this patent did not form part of the printed specification, but
 CC was obtained in electronic format from WIPO at
 CC ftp.wipo.int/pub/published_pct_sequences

XX SQ Sequence 12 BP; 2 A; 0 C; 4 G; 6 T; 0 U; 0 Other;
 Query Match 12.3%; Score 9; DB 1; Length 12;
 Best Local Similarity 100.0%; Pred. No. 1.4e+03;
 Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 944 TTGGTTTAA 952
 |||||
 Db 3 TTGGTTTAA 11

RESULT 2770

AB157395
 ID AB157395 standard; DNA; 12 BP.

XX AC AB157395;

XX DT 22-FEB-2002 (first entry)

XX DE Oligonucleotide primer SEQ ID NO 357368 for detecting SNP TSC0050578.

XX KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
 KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
 KW central nervous system; gastrointestinal; respiratory; immune; metabolic.

XX OS Homo sapiens.

XX FN WO200177384-A2.

XX PD 18-OCT-2001.

XX PF 06-APR-2001; 2001WO-IB000713.

XX PR 07-APR-2000; 2000DE-01019173.

XX PA (EPIG-) EPIGENOMICS AG.

XX PI Olek A, Piepenbrock C, Berlin K;

XX WPI; 2001-657177/75.

XX PT Set of oligonucleotides, useful for diagnosis and cell typing, is
 PT designed to detect single-nucleotide polymorphisms and cytosine
 PT methylation status.

XX PS Claim 1; SEQ ID NO 357368; 29pp + Sequence Listing; German.

XX CC This invention describes novel oligonucleotide primers or peptide nucleic
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
 CC and cytosine methylation status in chemically pretreated genomic DNA. The
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
 CC range of diseases including immune system, gastrointestinal, respiratory,
 CC central nervous system, cardiovascular and metabolic disorders. The
 CC oligomers are also used for detecting cell type differentiation. ABC00010
 CC -AB00010-ABF9989, ABH00010-ABH9989 and AB100010-AB182073
 CC represent the oligomers described in the invention. NOTE: The sequence
 CC data for this patent did not form part of the printed specification, but
 CC was obtained in electronic format from WIPO at
 CC ftp.wipo.int/pub/published_pct_sequences

XX SQ Sequence 12 BP; 2 A; 5 C; 0 G; 5 T; 0 U; 0 Other;

Query Match 12.3%; Score 9; DB 1; Length 12;
 Best Local Similarity 100.0%; Pred. No. 1.4e+03;
 Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 936 CCTCTTCAT 944
 |||||
 Db 3 CCTCTTCAT 11

RESULT 2771
 AB166046
 ID AB166046 standard; DNA; 12 BP.

XX AC AB166046;

XX DT 22-FEB-2002 (first entry)

XX DE Oligonucleotide primer SEQ ID NO 366019 for detecting SNP TSC0055490.

XX KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
 KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
 KW central nervous system; gastrointestinal; respiratory; immune; metabolic.

XX OS Homo sapiens.

XX FN WO200177384-A2.

XX PD 18-OCT-2001.

XX PF 06-APR-2001; 2001WO-IB000713.

XX PR 07-APR-2000; 2000DE-01019173.

XX PA (EPIG-) EPIGENOMICS AG.

XX PI Olek A, Piepenbrock C, Berlin K;

XX WPI; 2001-657177/75.

XX PT Set of oligonucleotides, useful for diagnosis and cell typing, is
 PT designed to detect single-nucleotide polymorphisms and cytosine
 PT methylation status.

XX PS Claim 1; SEQ ID NO 366019; 29pp + Sequence Listing; German.

XX CC This invention describes novel oligonucleotide primers or peptide nucleic
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
 CC and cytosine methylation status in chemically pretreated genomic DNA. The
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
 CC range of diseases including immune system, gastrointestinal, respiratory,
 CC central nervous system, cardiovascular and metabolic disorders. The
 CC oligomers are also used for detecting cell type differentiation. ABC00010
 CC -AB00010-ABF9989, ABH00010-ABH9989 and AB100010-AB182073
 CC represent the oligomers described in the invention. NOTE: The sequence
 CC data for this patent did not form part of the printed specification, but
 CC was obtained in electronic format from WIPO at
 CC ftp.wipo.int/pub/published_pct_sequences

XX SQ Sequence 12 BP; 4 A; 0 C; 2 G; 6 T; 0 U; 0 Other;

Query Match 12.3%; Score 9; DB 1; Length 12;
 Best Local Similarity 100.0%; Pred. No. 1.4e+03;
 Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 949 TTAATGTAT 957
 |||||
 Db 2 TTAATGTAT 10

RESULT 2772

AB181849
 ID AB181849 standard; DNA; 12 BP.

XX AC AB181849;

XX DT 22-FEB-2002 (first entry)

XX DE Oligonucleotide primer SEQ ID NO 381822 for detecting SNP TSC0064564.

XX KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;

peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
central nervous system; gastrointestinal; respiratory; immune; metabolic.
Homo sapiens.
WO200177384-A2.
18-OCT-2001.
06-APR-2001; 2001WO-IB000713.
07-APR-2000; 2000DE-01019173.
(EPIG-) EPIGENOMICS AG.
Olek A, Piepenbrock C, Berlin K;
WPI; 2001-657177/75.
Set of oligonucleotides, useful for diagnosis and cell typing, is
designed to detect single-nucleotide polymorphisms and cytosine
methylation status.
Claim 1; SEQ ID NO 381822; 29pp + Sequence Listing; German.
This invention describes novel oligonucleotide primers or peptide nucleic
acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
and cytosine methylation status in chemically pretreated genomic DNA. The
oligonucleotides are used for diagnosis and/or prognosis of cancer and a
range of diseases including immune system, gastrointestinal, respiratory,
central nervous system, cardiovascular and metabolic disorders. The
oligomers are also used for detecting cell type differentiation. ABC00010
-ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
represent the oligomers described in the invention. NOTE: The sequence
data for this patent did not form part of the printed specification, but
was obtained in electronic format from WIPO at
ftp.wipo.int/pub/published_pct_sequences
Sequence 12 BP; 2 A; 0 C; 3 G; 7 T; 0 U; 0 Other;

XX	Nandabalan K, Rothberg JM, Yang M, Knight JR, Kalbfleisch TS;
PI	WPI; 2002-654433/70.
XX	
XX	Detection of protein to protein interactions amongst two protein
PT	populations useful e.g. to identify interactions specific for particular
PT	tissues or diseases and to identify inhibitors of interactions uses a new
PT	genetic method.
XX	
XX	Example; Col 201; 152pp; English.
PS	
PS	The present invention relates to novel methods for detecting protein to
CC	protein interactions amongst two populations of proteins, each having a
CC	complexity of at least 100. The method involves using new genetic methods
CC	in which encoded proteins are fused to either the DNA-binding domain of a
CC	transcriptional activator or the activation domain of a transcriptional
CC	activator. The methods are useful to detect interacting proteins and to
CC	identify protein-protein interactions specific for a particular species,
CC	tissue, stage of development or disease state, e.g. by comparing protein-
CC	protein interactions between populations from cDNA of cancerous or pre-
CC	cancerous cells with those from non-cancerous cells. They are also useful
CC	to identify inhibitors interfering with protein-protein interactions e.g.
CC	potential drug candidates inhibiting interactions specific to cancerous
CC	cells. The present sequence is a linker DNA used to illustrate the method
CC	of the invention
XX	
XX	Sequence 12 BP; 1 A; 4 C; 3 G; 4 T; 0 U; 0 Other;
SQ	
	Query Match 12.3%; Score 9; DB 1; Length 12;
	Best Local Similarity 100.0%; Pred. No. 1.4e+03;
	Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0
QY	936 CCTCTTCAT 944
DB	3 CCTCTTCAT 11
RESULT 2774	
ADD24746/c	
ID ADD24746 standard; DNA; 12 BP.	
XX AC ADD24746;	
XX AC	
XX 15-JAN-2004 (first entry)	
DE Human NAT2 mutant C382T probe #2.	
XX	
XX diagnostic; pharmaceutical tolerance; side effect; drug; human;	
KW allelic variability; polymorphism; phase I; phase II;	
KW detoxification mechanism; PCR; primer; probe; NAT2; CYP2D6; CYP1A2;	
KW CYP3A4; MEH; TPMT; MTHFR; paraoxonase; CYP2C9; CYP2C19; CYP2E1; DPD; ss.	
OS Homo sapiens.	
XX	
XX WC2003018937-A2.	
XX	
XX 06-MAR-2003.	
PD	
XX	
XX 22-AUG-2002; 2002WO-EP009386.	
PF	
XX	
PR 24-AUG-2001; 2001DE-01040651.	
FR 30-APR-2002; 2002DE-01019373.	
XX	
XX (ADNA-) ADNAGEN AG.	
PA	
XX	
XX Waschuetza S, Schnakenberg E, Lustig M;	
PI	
XX	
XX WPI; 2003-290079/28.	
DR	
XX	
XX Diagnostic kit, useful for assessing a subject's tolerance of drugs,	
PT	comprises reagents for determining alleles of genes encoding
PT	detoxification enzymes.
PT	

XX PS Disclosure; Page 86; 156pp; German.

XX CC This invention describes a novel diagnostic kit for determining tolerance

XX CC of pharmaceuticals in humans by determining allelic variability of at

XX CC least two polymorphisms of a human enzyme involved in phase I and/or II

XX CC of the detoxification mechanism in a blood, tissue or other human sample,

XX CC where tolerance is determined from presence or absence of alleles. The

XX CC kit comprises two pairs of oligonucleotide primers, in which each pair

XX CC amplifies, by PCR, part of a gene for a human detoxification mechanism-

XX CC associated enzyme. The kit may also contain two further pairs of

XX CC oligonucleotides, serving as probes for detection of amplified DNA

XX CC segments, especially where the probes are complementary to a single

XX CC strand of one allele of the target gene. The probes are labelled with

XX CC fluorophores (LC-Red640 or LC-Red705 for 5'-labelling or fluorescein for

XX CC 3'-labelling) which generate a different signal in the hybridized and non

XX CC -hybridized condition. The enzymes detected include NAT2, CYP2D6, CYP1A2,

XX CC CYP3A4, MEH, TPMT, MTHFR, paraoxonase, CYP2C9, CYP2C19, CYP2E1 or DPD.

XX CC The kit is used to determine an individual's tolerance of a particular

XX CC drug, to establish a suitable dose and/or to predict if a subject will

XX CC show side-effects to a drug. The kit provides minimally invasive, safe

XX CC and reliable determination of the metabolic capacity of phase I and/or II

XX CC enzymes at the molecular level. This sequence represents a probe used in

XX CC the kit of the invention.

SQ Sequence 12 BP; 3 A; 1 C; 5 G; 3 T; 0 U; 0 Other;

Query Match 12.3%; Score 9; DB 1; Length 12;

Best Local Similarity 100.0%; Pred. No. 1.4e+03;

Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 929 TATCCCTCC 937

DB 11 TATCCCTCC 3

RESULT 2775

AA04326

ID AAT04326 standard; DNA; 13 BP.

AC AAT04326;

DT 20-MAY-1996 (first entry)

DE Sense strand of sequencing probe B.

KW Polymerase chain reaction; PCR; primer; amplify; T4 DNA ligase;

KW streptavidin-coated magnetic beads; type II restriction endonuclease;

KW sequence diagnosis; genetic mapping; forensic analysis; probe; ds.

OS Synthetic.

XX Key Location/Qualifiers

FT misc_feature 7..12

FT /*tag= a

FT /note= "Ear I recognition site"

FT misc_feature complement(13)

FT /*tag= b

FT /note= "4 bp 5' overhang"

XX WO9527080-A2.

PN 12-OCT-1995.

PD 24-MAR-1995; 95WO-US003678.

PF 04-APR-1994; 94US-00222300.

PR 25-JUL-1994; 94US-00280441.

XX (LYNX-) LYNX THERAPEUTICS INC.

PI Brenner S;

XX

XX DNA sequencing by repeated ligation of probe and endonuclease cleavage -

XX avoids electrophoretic sepn. of similarly sized fragments, partic. for

XX determining zygosity at a particular locus.

XX Example 5; Page 28; 67pp; English.

XX This sequence represents the sense strand of a sequencing probe of the

XX invention. The antisense strand of this probe is AAT04327. The probe is

XX used to sequence a 368 bp fragment of pUC19 that was amplified by the

XX primers shown in AAT04319 and AAT04320. The amplified sequence was

XX attached to streptavidin-coated magnetic beads, and digested to produce a

XX 5' overhang. The immobilised sequence is then incubated with this set of

XX fluorescently labelled probes. In separate reactions, the probes are

XX ligated to the immobilised sequence using T4 DNA ligase. The probes are

XX then cleaved by a type II restriction endonuclease (in this case Ear I).

XX This cleavage shortens the immobilised DNA sequence by one nucleotide. By

XX cycling this reaction, the sequence of the target DNA can be determined.

XX This method can be used to sequence DNA at a predetermined genetic locus

XX (that has several possible allelic forms) to determine the zygosity of

XX the individual. It can also be used in sequence diagnosis, genetic

XX mapping or identification, forensic analysis and research in molecular

XX biology. This method avoids the problems of detecting/analysing

XX overlapping bands in a gel. Also, there is no need to generate DNA

XX fragments from a template sequence. The process is readily automated and

XX real time monitoring is possible

SQ Sequence 13 BP; 3 A; 5 C; 1 G; 4 T; 0 U; 0 Other;

Query Match 12.3%; Score 9; DB 1; Length 13;

Best Local Similarity 100.0%; Pred. No. 1.5e+03;

Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 935 TCCTCTTCA 943

DB 5 TCCTCTTCA 13

RESULT 2776

AAV41080

ID AAV41080 standard; DNA; 13 BP.

AC AAV41080;

XX 25-SEP-1998 (first entry)

DE Primer AML1EVI2820L13 for abnormality detection.

KW PCR primer; chromosomal abnormality; abnormality detection; leukaemia;

KW lymphoma; carcinoma; adenocarcinoma; sarcoma; glioma; neuroblastoma;

KW medullablastoma; malignant melanoma; malignant neoplastic condition; ss.

OS Synthetic.

OS Homo sapiens.

PN WO9824928-A2.

XX 11-JUN-1998.

XX 08-DEC-1997; 97WO-DK000556.

XX 06-DEC-1996; 96DK-00001401.

XX (PALL/) PALLISGAARD N.

XX Pallingaard N, Hokland P;

XX WPI; 1998-333344/29.

XX Detection of chromosomal abnormalities - by subjecting patient sample

XX nucleic acids to a multiplex molecular amplification procedure using

XX primers specific for characteristic nucleic acid sequences.